# MY18 BK Astra

## Owner's Manual

Holden

GM Holden Ltd, ABN 84 006 893 232, Holden New Zealand Ltd., Company Number 1602 (hereinafter Holden)

**Change of name, address or ownership**

If you drive a pre-owned Holden, have moved house or changed any of your details, we'd like to hear from you!

Holden uses your details to keep your vehicle's factory provided Roadside Assistance and Warranty details up to date.

It also helps us let you know if there is an existing rework action required on your vehicle. To update your details, please take a few minutes to fill in and mail the form at the back of the Service & Warranty Booklet or visit Holden's website at: www.holden.com.au/forms/change-of-owner-details

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You can contact Holden on 1800 033 349 or alternatively, you may prefer to email Holden at: holdencustomercare@gm.com

**Note:** Please refer to the inside front cover of the Service & Warranty Booklet for the Vehicle Identification Certificate.

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Printed in Australia
**Part No. 92509250**
August 2017
(MY18 BK Astra. Print 1-O)

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# Introduction

We thank you for choosing Holden and want to assure you of our continuing interest in your driving pleasure and satisfaction.

This owner's manual applies to the current BK Astra vehicle. Therefore, due to different models and options, you may find reference in this manual to some equipment not fitted to your own vehicle.

Please note that all information, illustrations and specifications in this manual are based on the latest production information available at the time of printing.

Holden reserves the right to make changes at any time without notice and without incurring any obligation.

## Vehicle specific data

Please enter your vehicle's data on the previous page to keep it easily accessible. This information is available in the sections "Service and maintenance" and "Technical data" as well as on the identification plate.

## Introduction

Your vehicle is a designed combination of advanced technology, safety, environmental friendliness and economy.

This Owner's Manual provides you with all the necessary information to enable you to drive your vehicle safely and efficiently.

Make sure your passengers are aware of the possible risk of accident and injury which may result from improper use of the vehicle.

Disregarding the description given in this manual may affect your warranty.

## Using this manual

- This manual describes all options and features available for this model. **Certain descriptions, including those for display and menu functions, may not apply to your vehicle due to model variant.**
- The "In brief" section will give you an initial overview.
- The table of contents at the beginning of this manual and within each section shows where the information is located.
- The index will enable you to search for specific information.
- Directional data, e.g. left or right, or front or back, always relate to the direction of travel.
- Display messages and interior labelling are written in **bold** letters.
- For a complete list of registered trademarks contained in this manual: ⇨ 230.

## Danger, Warnings and Cautions

**⚠Danger**

Text marked ⚠**Danger** provides information on risk of fatal injury. Disregarding this information may endanger life.

**⚠Warning**

Text marked ⚠**Warning** provides information on risk of accident or injury. Disregarding this information may lead to injury.

**Caution**

Text marked **Caution** provides information on possible damage to the vehicle. Disregarding this information may lead to vehicle damage.

## Symbols

Page references are indicated with ⇨. ⇨ means "see page".

Page references and index entries refer to the indented headings given in the section table of content.

Chronological order to select menu entries in the vehicle personalisation is indicated with ➧.

# In brief

## Initial drive information

### Vehicle unlocking

Press to unlock the doors and tailgate. Open the doors by pulling the handles.

### Tailgate

5-door Hatchback: to open the tailgate, push the touchpad switch below the brand emblem.

Sportwagon: to open the tailgate, push the touchpad switch under the tailgate moulding.

Radio remote control ⇨ 22.

Central locking system ⇨ 25.

Electronic key system ⇨ 23.

Load compartment ⇨ 31.

## Seat adjustment

### Longitudinal adjustment

Pull handle, slide seat, release handle. Try to move the seat back and forth to ensure that the seat is locked in place.

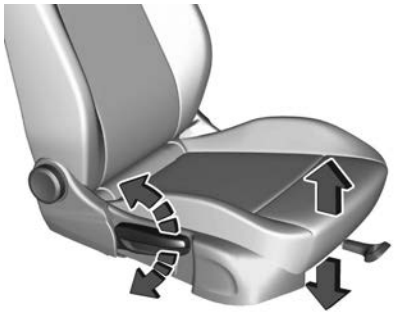
Seat position ⇨ 46, Manual seat adjustment ⇨ 47.

### Backrests inclination

Turn handwheel. Do not lean on backrest when adjusting.

Seat position ⇨ 46, Manual seat adjustment ⇨ 47.

### Seat height

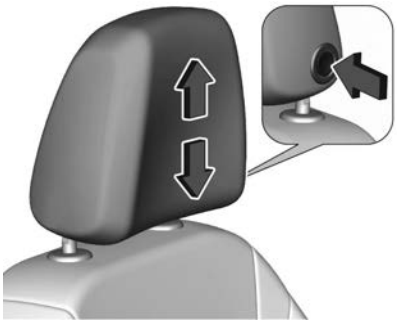


Lever pumping motion

up : seat higher
down : seat lower

Seat position ⇨ 46, Manual seat adjustment ⇨ 47.

## Head restraint adjustment



Press release button, adjust height, engage.

Head restraints ⇨ 45.

## Seat belt

Pull out the seat belt and fasten in belt buckle. The seat belt must not be twisted and must fit close against the body. The backrest must not be tilted back too far (maximum approx. 25°).

To unfasten belt, press red button on belt buckle.

Seat position ⇨ 46, Seat belts ⇨ 50, Airbag system ⇨ 52.

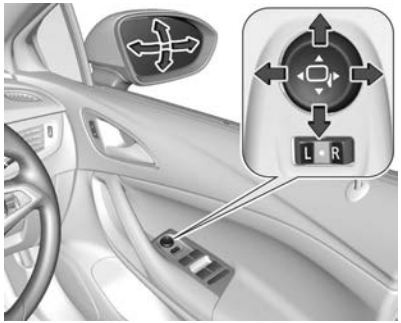
## Mirror adjustment

### Interior mirror

To adjust the mirror, move the mirror housing in the desired direction.

Manual anti-dazzle interior mirror ⇨ 40, Automatic anti-dazzle interior mirror ⇨ 41.

### Exterior mirrors

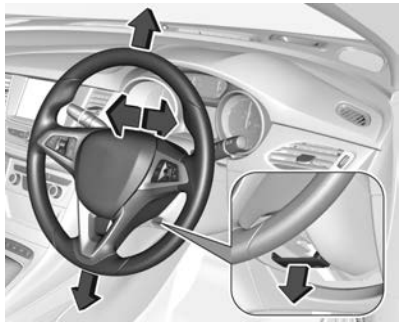



Select the relevant exterior mirror by switching the rocker control to left mirror (L) or right mirror (R). Adjust respective mirror by the four-way control.

Convex exterior mirrors ⇨ 39, Electric adjustment ⇨ 39, Folding exterior mirrors ⇨ 39.

Heated exterior mirrors ⇨ 40.

## Steering wheel adjustment

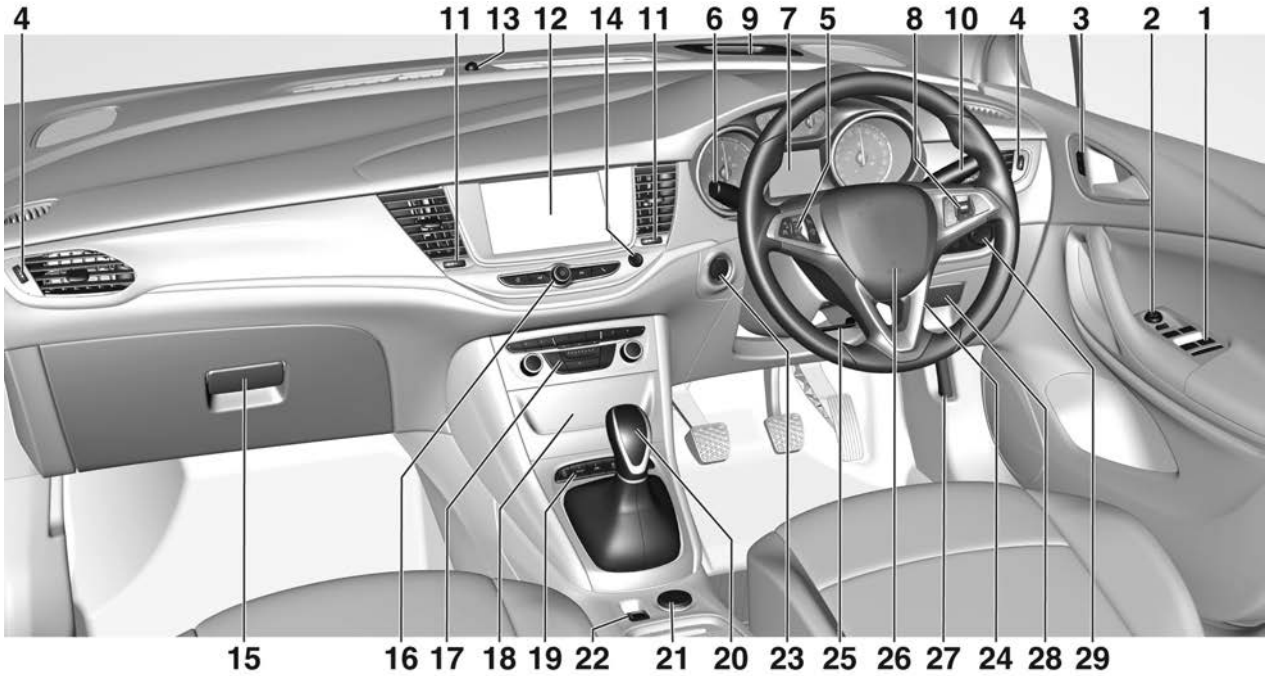


Unlock the lever, adjust the steering wheel, then engage the lever and ensure it is fully locked.

Do not adjust the steering wheel unless the vehicle is stationary and the steering wheel lock has been released.

Airbag system ⇨ 52, Ignition positions ⇨ 121.

## Instrument panel overview



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## Exterior lighting

**AUTO** : automatic light control switches automatically between daytime running light and headlight
: sidelights
: headlights

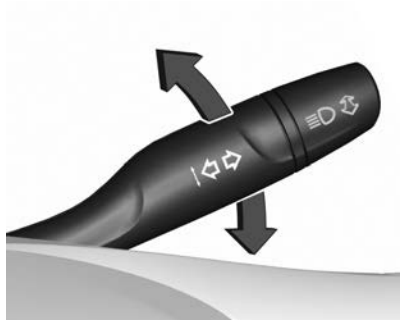
Automatic light control ⇨ 101.

## Headlight flash, high beam and low beam

headlight flash : pull lever
high beam : push lever
low beam : push or pull lever

High beam ⇨ 102, Headlight flash ⇨ 102, LED headlights ⇨ 103, High beam assist ⇨ 103.

## Turn and lane-change signals



lever up : left turn signal
lever down : right turn signal

Turn and lane-change signals ⇨ 106.

### Hazard warning flashers

Operated by pressing ⚠.

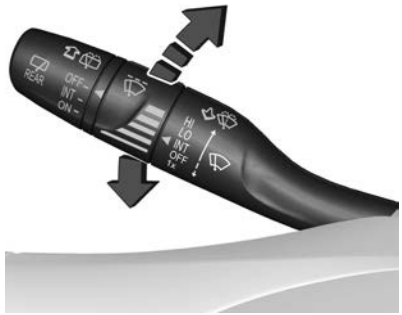
Hazard warning flashers ⇨ 106.

## Horn

Press .

## Washer and wiper systems

### Windscreen wiper




**HI** : fast
**LO** : slow
**INT** : interval wiping or automatic wiping with rain sensor
**OFF** : off

For single wipe when the wiper is off, press lever down to position **1x**.

Windscreen wiper ⇨ 70.

## Windscreen washer

Pull lever.

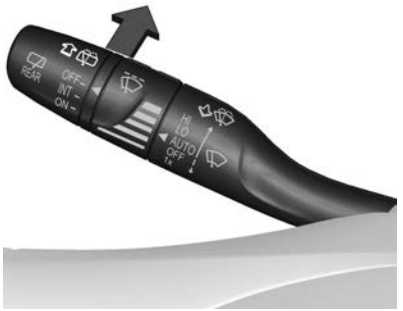
Windscreen washer system ⇨ 70, Washer fluid ⇨ 184, Wiper blade replacement ⇨ 186.

## Rear window wiper

Turn outer cap to activate the rear window wiper:

**ON** : continuous operation
**INT** : intermittent operation
**OFF** : off

## Rear window washer




Push lever.

Washer fluid is sprayed on the rear window and the wiper wipes a few times.

Rear window wiper/washer ⇨ 72.

# Climate control

## Heated rear window

The heating is operated by pressing ⊞.

Heated rear window ⇨ 43.

## Heated exterior mirrors

Pressing ⊞ also activates the heated exterior mirrors.

Heated exterior mirrors ⇨ 40.

## Demisting and defrosting the windows

- Press ⛐: the air distribution is directed towards the windscreen.
- Set fan speed to highest level.
- Set temperature control to warmest level.
- Switch on heated rear window ⊞.
- Open side air vents as required and direct them towards the door windows.

Air conditioning system ⇨ 111.

## Demisting and defrosting the windows, electronic climate control

Press ⛐.

Temperature and air distribution are set automatically and the fan runs at high speed.

Switch on heated rear window ⊞.

Electronic climate control system ⇨ 113.

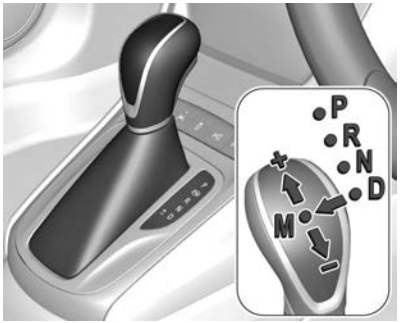
# Transmission

## Manual transmission

Reverse: with the vehicle stationary, depress clutch pedal and press the release button on the selector lever and engage the gear.

Manual transmission ⇨ 132.

## Automatic transmission




**P** : park position
**R** : reverse
**N** : neutral mode
**D** : automatic mode
**M** : manual mode
**+** : upshift
**–** : downshift

The selector lever can only be moved out of **P** when the ignition is on and the brake pedal is applied. To engage **P** or **R**, press the release button.

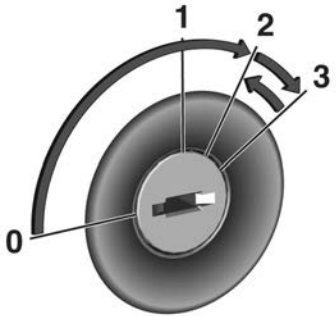
Automatic transmission ⇨ 129.

# Starting off

## Check before starting off

- Tyre pressure and condition ⇨ 203, ⇨ 227
- Engine oil level and fluid levels ⇨ 182.
- All windows, mirrors, exterior lighting and number plates are free from dirt, snow and ice and are operational.
- Proper position of mirrors, seats, and seat belts ⇨ 39, ⇨ 46, ⇨ 51.
- Brake function at low speed, particularly if the brakes are wet.

## Starting the engine




- Ignition switch: turn key to position **2**.

  Power button: press **Engine Start/Stop** for a few seconds until green LED illuminates.
- Move the steering wheel slightly to release the steering wheel lock.
- Manual transmission: depress and hold clutch and brake pedal.

  Automatic transmission: depress and hold brake pedal and move selector lever to **P** or **N**.
- Do not operate accelerator pedal.
- Ignition switch: turn key to position **3** and release.

Power button: press **Engine Start/Stop** and release.

Starting the engine ⇨ 123.

## Stop-start system

If the vehicle is at a low speed or at a standstill and certain conditions are fulfilled, an Autostop is activated.

An Autostop is indicated by the needle at the **AUTOSTOP** position in the tachometer.

A restart is indicated by the needle at the idle speed position in the tachometer.

Stop-start system ⇨ 125.

### Remote Start

- Aim the radio remote control at the vehicle.
- Press and release .
- Immediately after previous step, press and hold ↺ for at least two seconds or until the turn signal lights flash.
- The engine will start, doors will be locked and the climate control system may come on.
- The engine will continue to run for 10 minutes. Repeat the steps to extend to 20 minutes. Remote start can be extended only once.
- If the engine is running when you enter the vehicle, press the brake pedal and press the engine Start/ Stop button before moving the shift lever out of P.

  If the engine is not running when you enter the vehicle, start the engine. Remote engine start ⇨ 21.

## Parking

**⚠ Warning**

- Do not park the vehicle on an easily ignitable surface. The high temperature of the exhaust system could ignite the surface.
- Always apply the parking brake. Activate the manual parking brake without pressing the release button. Apply as firmly as possible on a downhill slope or uphill slope. Depress brake pedal at the same time to reduce operating force.

  For vehicles with electric parking brake, pull switch Ⓟ for a minimum of one second until control indicator Ⓟ illuminates constantly and electric parking brake is applied ⇨ 85.
- Switch off the engine.
- If the vehicle is on a level surface or uphill slope, engage first gear or set the selector lever to position **P** before removing the ignition key or switching off ignition on vehicles with power button. On an uphill slope, turn the front wheels away from the kerb.

  If the vehicle is on a downhill slope, engage reverse gear or set the selector lever to position **P** before removing the ignition key or switching off ignition on vehicles with power button. Turn the front wheels towards the kerb.
- Close the windows and the sunroof.
- Remove the ignition key from the ignition switch or switch off ignition on vehicles with power button. Turn the steering wheel until the steering wheel lock is felt to engage.

  For vehicles with automatic transmission, the key can only be removed when the selector lever is in position **P**.

- Lock the vehicle with on the radio remote control.

  Activate the anti-theft alarm system ⇨ 37.
- The engine cooling fans may run after the engine has been switched off ⇨ 178.

| Caution |
| --- |
| After running at high engine speeds or with high engine loads, operate the engine briefly at a low load or run in neutral for approx. 30 seconds before switching off, in order to protect the turbocharger. |

Keys, locks ⇨ 20, Laying-up the vehicle for a long period of time ⇨ 178.

# Keys, doors and windows

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# Keys, locks

## Keys

| Caution |
| --- |
| Do not attach heavy or bulky items to the ignition key. |

### Replacement keys

The key number is specified on a detachable tag.

The key number must be quoted when ordering replacement keys as it is a component of the immobiliser system.

Locks ⇨ 214, Central locking ⇨ 25, Starting the engine ⇨ 123.

Radio remote control ⇨ 22, Electronic key ⇨ 23.

### Key with foldaway key section

Press button to extend. To fold the key, first press the button.

### Lock cylinders

Designed to free-wheel if they are forcefully rotated without the correct key or if the correct key is not fully inserted. To reset, turn cylinder with the correct key until its slot is vertical, remove key then re-insert it. If the cylinder still free-wheels, turn the key through 180° and repeat operation.

## Remote engine start

Vehicles with automatic transmission may have remote start. It allows the engine to be started from outside the vehicle.

ʊ (Remote engine start): The remote start button is on the remote control.

The climate control system will use the previous settings during a remote start.

### Starting the vehicle

To start the engine using the remote start feature:

1. Aim the radio remote control at the vehicle.
2. Press and release ⍾.
3. Immediately after completing step 2, press and hold ʊ for at least four seconds or until the turn signal lights flash. The turn signal lights flashing confirms the request to remote start the vehicle has been received.

The doors will be locked and the climate control system may come on.

The engine will continue to run for 10 minutes. Repeat the steps to extend to 20 minutes. Remote start can be extended only once.

If the engine is running when you enter the vehicle, press the brake pedal and press the engine Start/Stop button before moving the shift lever out of P.

If the engine is not running when you enter the vehicle, start the engine ⇨ 123.

### Extending engine run time

To extend to 20 minutes, repeat steps 1-3 while the engine is still running. The remote start can be extended once.

For example, if the engine has been running for five minutes, and the remote start is extended, the engine will run for a total of 20 minutes.

A maximum of two remote starts, or a single start with an extension, is allowed between ignition cycles.

The vehicle's ignition must be turned on and then back off before the remote start procedure can be used again.

### Cancelling a remote start

To cancel a remote start, do one of the following:

To cancel a remote start, do any of the following:

- Aim the radio remote control at the vehicle and press and hold ↺.
- Turn on the hazard warning flashers.
- Turn the ignition on and then off.

### Conditions in which remote start will not work

The remote vehicle start feature will not operate if:

- The key is in the ignition (key access) or if the key is in the vehicle (keyless access).
- The vehicle is unlocked.
- The bonnet is not closed.
- The hazard warning flashers are on.
- The malfunction indicator light is on.
- The engine coolant temperature is too high.
- The oil pressure is low.
- Two remote vehicle starts, or a single remote start with an extension, have already been used.
- The selector lever is not in P.

## Radio remote control

Enables operation of the following functions via the use of the remote control buttons:

- central locking system ⇨ 25
- anti-theft alarm system ⇨ 37
- remote engine start ⇨ 21

The remote control has a range of up to 100 metres, but may also be much less due to external influences. The hazard warning flashers confirm operation.

Handle with care, protect from moisture and high temperatures and avoid unnecessary operation.

### Replacing battery in radio remote control

Replace the battery as soon as the range reduces.

Batteries do not belong in household waste. They must be disposed of at an appropriate recycling collection point.

1. Insert flat screwdriver into the slot and separate the back cover from the remote control unit.
2. Remove and replace battery. Use CR 2032 or equivalent battery. Pay attention to the installation position.
3. Insert the back cover in the area of the key blade, fold down and close.

### Radio remote control synchronisation

After replacing the battery, unlock the door with the key in the driver's door lock. The radio remote control will be synchronised when you switch on the ignition.

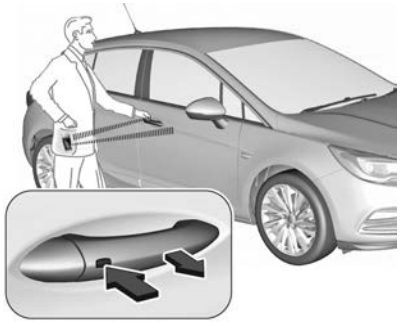
### Fault

If the central locking system cannot be operated with the radio remote control, the cause may be one of the following:

- Fault in radio remote control.
- The range is exceeded.
- The battery voltage is too low.
- Frequent, repeated operation of the radio remote control while not in range, which will require re-synchronisation.
- Overload of the central locking system by operating at frequent intervals, the power supply is interrupted for a short time.
- Interference from higher-power radio waves from other sources.

Manual unlocking ⇨ 25.

## Electronic key system



Enables a keyless operation of the following functions:

- central locking system ⇨ 25
- tailgate ⇨ 31
- ignition switching on and starting the engine ⇨ 123

The electronic key simply needs to be on the driver's person.

Additionally, the electronic key includes the functionality of the radio remote control ⇨ 22.

Handle with care, protect from moisture and high temperatures and avoid unnecessary operation.

**Note**
Do not put the electronic key into the load compartment or in front of the Info-Display.

## Replacing battery in electronic key

Replace the battery as soon as the system no longer operates properly or the range is reduced. The need for battery replacement is indicated by a message in the Driver Information Centre ⇨ 96.

Batteries do not belong in household waste. They must be disposed of at an appropriate recycling collection point.

To replace:

1. Press button at the back of the electronic key unit and extract the key blade from the housing.

2. Insert flat screw driver in the center of the recess and separate the back cover of the electronic unit by turning the screw driver a quarter.
3. Remove and replace battery. Use CR 2032 or equivalent battery. Pay attention to the installation position.
4. Close the housing and insert key blade.

Batteries do not belong in household waste. They must be disposed of at an appropriate recycling collection point.

## Electronic key synchronisation

The electronic key synchronises itself automatically during every starting procedure.

### Fault

If the central locking cannot be operated or the engine cannot be started, the cause may be one of the following:

- Fault in electronic key.
- Electronic key is out of reception range.
- The battery voltage is too low.
- Overload of the central locking system by operating at frequent intervals, the power supply is interrupted for a short time.
- Interference from higher-power radio waves from other sources.

To rectify the cause of the fault, change the position of the electronic key.

Manual unlocking ⇨ 25.

## Memorised settings

Whenever the ignition is switched off, the following settings are automatically memorised by the remote control unit or the electronic key:

- automatic climate control
- lighting
- Infotainment system
- central locking system
- Sport mode settings
- comfort settings

The saved settings are automatically used the next time the ignition is switched on with the memorised key of the remote control unit ⇨ 121 or electronic key ⇨ 23.

A precondition is that **Personalisation by Driver** is activated in the personal settings of the Info-Display. This must be set for each remote control unit or electronic key which is used. The status change is available only after locking and unlocking the vehicle.

Vehicle personalisation ⇨ 97.

## Central locking system

Unlocks and locks doors, tailgate and fuel filler flap.

A pull on an interior door handle unlocks the respective door. Pulling the handle once more opens the door.

**Note**
In the event of an accident in which airbags or belt pretensioners are deployed, the vehicle is automatically unlocked.

**Note**
A short time after unlocking with the remote control the doors are locked automatically if no door has been opened. A precondition is that the setting is activated in the vehicle personalisation ⇨ 97.

### Remote control operation

#### Unlocking

Press .

Unlocking mode can be set in the vehicle personalisation menu in the Info-Display. Two settings are selectable:

- All doors, tailgate and fuel filler flap will be unlocked by pressing once.
- Only the driver's door, tailgate and fuel filler flap will be unlocked by pressing once. To unlock all doors, press twice.

Select the relevant setting in **Settings**, ➧ **Vehicle** in the Info-Display.

Info-Display ⇨ 94.

Vehicle personalisation ⇨ 97.

The setting can be saved for the remote control being used. Memorised settings ⇨ 25.

Unlocking and opening the tailgate ⇨ 31.

### Locking

Close doors, tailgate and fuel filler flap.

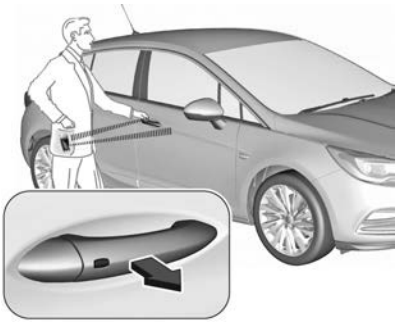
Press .

If the driver's door is not closed properly, the central locking system will not work.

### Confirmation

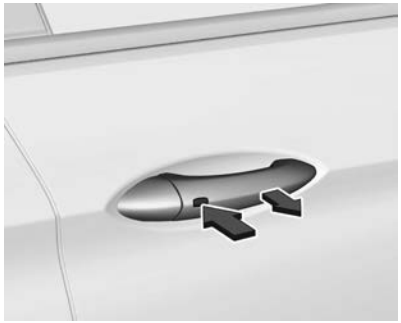
Operation of the central locking system is confirmed by the hazard warning flashers. A precondition is that the setting is activated in the vehicle personalisation ⇨ 97.

## Electronic key system operation



The electronic key must be outside the vehicle, within a range of approx. one metre of the relevant door side.

### Unlocking



Press the button on the respective exterior door handle and pull the handle.

Unlocking mode can be set in the vehicle personalisation menu in the Info-Display. Two settings are selectable:

- All doors, tailgate and fuel filler flap will be unlocked by pressing the button on a respective handle once.
- Only the driver's door, tailgate and fuel filler flap will be unlocked by pressing the button on the driver`s door exterior handle once. To unlock all doors, press button twice.

The setting can be changed in the menu **Settings** in the Info-Display. Vehicle personalisation ⇨ 97.

### Locking

Press the button on a respective exterior door handle.

All doors, tailgate and fuel filler flap will be locked.

The system locks if any of the following occurs:

- It has been more than five seconds since unlocking.
- The button on an exterior handle has been pressed twice within five seconds to unlock the vehicle.
- Any door has been opened and all doors are now closed.

If the driver's door is not closed properly, the electronic key remains in the vehicle or the ignition is not off, locking will not be permitted and a warning chime sounds three times.

If there have been two or more electronic keys in the vehicle and the ignition was on once, the doors will be locked even if just one electronic key is taken out of the vehicle.

### Unlocking and opening the tailgate

The tailgate can be unlocked by pushing the touchpad switch under the brand emblem when the electronic key is in range. The doors remain locked. Load compartment ⇨ 31.

**Operation with buttons on the electronic key**

The central locking system can also be operated with the buttons on the electronic key.

Press to unlock.

Press to lock.

Press twice to unlock and open only the power tailgate. To prevent unintended opening of the tailgate, must be pressed longer than during locking or unlocking.

Remote control operation ⇨ 25.

**Passive locking**

Automatic locking ⇨ 30.

**Confirmation**

Operation of central locking system is confirmed by the hazard warning flashers. A precondition is that the setting is activated in the vehicle personalisation ⇨ 97.

## Central locking buttons

Locks or unlocks all doors, the tailgate and fuel filler flap from the passenger compartment via a switch in the driver's door panel.

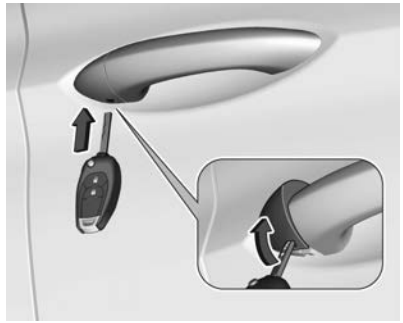
Press to lock.

Press to unlock.

## Operation with the key in case of a central locking system fault

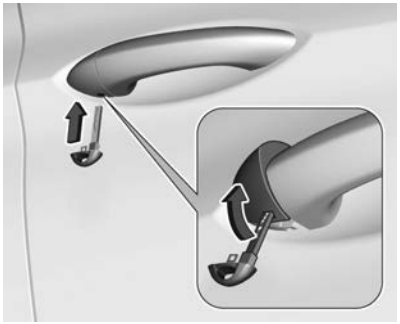
In case of a fault, e.g. vehicle battery or remote control/electronic key battery is discharged, the driver's door can be locked or unlocked with the mechanical key.

The lock cylinder in the driver's door is covered by a cap.



**Remote control:** to remove the cap, insert the key into the recess at the bottom of the cap and swivel the key upward.

Keys ⇨ 20.



**Electronic key:** to remove the cap, press button at the back and extract the key blade from the housing. Insert the key into the recess at the bottom of the cap and swivel the key upward.

Electronic key system ⇨ 23.

### Manual unlocking

Manually unlock the driver's door by inserting and turning the key in the lock cylinder.

The other doors can be opened by pulling the interior handle twice or by pressing in the driver's door panel. The tailgate and fuel filler flap will possibly not be unlocked.

By switching on the ignition, the anti-theft locking system is deactivated.

### Manual locking

Push inside locking knob of all doors except driver's door or press in the driver's door panel. Then close the driver's door and lock it from the outside by turning the key in the lock cylinder. The fuel filler flap and tailgate are possibly not locked.

After locking, cover the lock cylinder with the cap: insert the cap with the lower side in the recesses, swivel and push the cap until it engages at the upper side.

# Automatic locking

## Automatic locking after driving off

This security feature can be configured to automatically lock all doors, tailgate and fuel filler flap after driving off and exceeding a certain speed.

When at a standstill after driving, the vehicle will be unlocked automatically as soon as the key is removed from the ignition switch, or with electronic key system when the ignition is switched off.

Activation or deactivation of automatic locking can be set in the menu **Settings**, ➧ **Vehicle** in the Info-Display.

Info-Display ⇨ 94.

Vehicle personalisation ⇨ 97.

The setting can be saved for the remote control or electronic key being used ⇨ 25.

## Automatic relock after unlocking

This feature can be configured to automatically lock all doors, tailgate and fuel filler flap a short time after unlocking with the remote control or electronic key, provided no door has been opened.

Activation or deactivation of automatic relock can be set in the menu **Settings**, ➧ **Vehicle** in the Info-Display.

Info-Display ⇨ 94.

Vehicle personalisation ⇨ 97.

The setting can be saved for the remote control or electronic key being used ⇨ 25.

## Passive locking

On vehicles with electronic key system, this feature locks the vehicle automatically after several seconds if an electronic key has been recognised previously inside the vehicle, all doors have then been closed and the electronic key does not remain within the vehicle.

If the electronic key remains in the vehicle or the ignition is not off, passive locking will not be permitted.

If there have been two or more electronic keys in the vehicle and the ignition was on once, the feature locks the vehicle if just one electronic key is taken out of the vehicle.

Passive locking can be disabled by pressing for a few seconds while one door is open. It remains disabled until is pressed or the ignition is switched on.

Activation or deactivation of passive locking can be set in the menu **Settings**, ➧ **Vehicle** in the Info-Display.

Info-Display ⇨ 94.

Vehicle personalisation ⇨ 97.

The setting can be saved for the electronic key being used ⇨ 25.

## Child locks

**⚠Warning**

Use the child locks whenever children are occupying the rear seats.

Move the pin in the rear door to the front. The door cannot be opened from the inside.

To deactivate, move the pin to the rear position.

# Doors

## Load compartment

### Tailgate

**Opening**
**5-door Hatchback**

After unlocking, push the touchpad switch under the brand emblem and open the tailgate.

### Sportwagon

After unlocking, push the touchpad switch under the tailgate moulding and open the tailgate manually.

Central locking system ⇨ 25.

### Closing

Use one of the interior handles.

Do not push the touchpad switch whilst closing as this will unlock the tailgate again.

Central locking system ⇨ 25.

## Power tailgate

**⚠ Warning**

Take care when operating the power tailgate. Risk of injury, particularly to children.

Keep a close watch on the movable tailgate when operating. Ensure that nothing becomes trapped during operating and no one is standing within the moving area.

The power tailgate can be operated by:

- Pressing twice on the electronic key. To prevent unintended opening of the tailgate, must be pressed longer than during locking or unlocking.
- Handsfree operation with motion sensor below the rear bumper.
- The touchpad switch under the exterior tailgate moulding and in the open tailgate.
- The switch on the inside of the driver's door.

On vehicles with automatic transmission, the tailgate can only be operated when the vehicle is stationary and with selector lever in **P**.

The turn signal lights flash and a chime sounds when the power tailgate is operating.

**Note**

Operating the power tailgate does not operate the central locking system. To open the tailgate with the button on the electronic key, or with the touchpad switch under the tailgate moulding or via handsfree operation, it is not necessary to unlock the vehicle. A precondition is that the electronic key is outside the vehicle, within a range of approx. one metre of the tailgate.

Do not leave the electronic key in the load compartment.

Lock the vehicle after closing if it was unlocked previously.

Central locking system ⇨ 25.

### Operation with the electronic key

Press ⍾ twice to open or close the tailgate. To prevent unintended opening of the tailgate, ⍾ must be pressed longer than during locking or unlocking.

### Handsfree operation with motion sensor below the rear bumper

To open or close the tailgate, move the foot below the rear bumper back and forth in the area shown in the illustration. If equipped with parking assist, the area is recognisable below the sensor shown. Do not hold the foot longer or move too slow below the bumper. The electronic key must be outside the vehicle, within a range of approx. one metre of the tailgate.

**⚠Danger**

Do not touch any vehicle parts below the vehicle during handsfree operation. There is a risk of injury from hot engine parts.

### Operation with the touchpad switch under the exterior tailgate moulding

To open the tailgate, press the touchpad switch under the tailgate moulding until the tailgate starts to move. If the vehicle is locked, the electronic key must be outside the vehicle, within a range of approx. one metre of the tailgate.

To close, press ⌓ in the open tailgate until the tailgate starts to move.

### Operation with the switch on the inside of the driver's door

Press ⌓ on the inside of the driver's door until the tailgate starts to open or close.

### Stop or change direction of movement

To stop movement of the tailgate immediately:

- press 🔓 once on the electronic key, or
- press the touchpad switch under the exterior tailgate moulding, or

- press ⌓ on the open tailgate, or
- press ⌓ on the inside of the driver's door.

Pressing one of the switches again will reverse the direction of movement.

### Operation modes

The power tailgate has three modes of operation, which are controlled by the switch ⌓ in the driver's door. To change the mode, turn the switch:

- Normal mode **MAX**: Power tailgate opens to full height.
- Intermediate mode **3/4**: Power tailgate opens to a reduced height that can be adjusted.
- Mode **Off**: Tailgate can only be operated manually.

### Adjust reduced opening height in intermediate mode

1. Turn operation mode switch to **3/4**.
2. Open power tailgate with any operation switch.
3. Stop movement at the desired height by pressing any operation switch. If required, manually move the stopped tailgate to the desired position.

4. Press and hold the button ⌓ on the inside of the open tailgate for three seconds.

**Note**

Adjusting opening height should be programmed at ground level.

A chime sound indicates the new setting and the turn signal lights will flash. The reduced height can only set at an opening angle of above 30°.

When turning the adjuster wheel in the driver's door to intermediate mode **3/4**, the power tailgate will stop opening at the newly set position.

The tailgate can only be held open if a minimum height is exceeded (minimum opening angle from 30°). The opening height cannot be programmed below that height.

**Safety function**

If the power tailgate encounters an obstacle during opening or closing, the direction of movement will automatically be reversed slightly. Multiple obstacles in one power cycle will deactivate the function. In this case, close or open the tailgate manually.

The power tailgate has pinch sensors on the side edges. If the sensors detect obstacles between tailgate and chassis, the tailgate will open, until it is activated again or closed manually.

The safety function is indicated by a warning chime.

Remove all obstacles before resuming normal power operation.

If the vehicle is equipped with factory-fitted towing equipment and a trailer is electrically connected, the power tailgate can only be opened with the touchpad switch or closed with in the open tailgate. Ensure that there are no obstacles in the moving area.

**Overload**

If the power tailgate is repeatedly operated at short intervals, the function is disabled for some time. Move tailgate manually into end position to reset the system.

## General hints for operating tailgate

**⚠Danger**

Do not drive with the tailgate open or ajar, e.g. when transporting bulky objects, since toxic exhaust gases, which cannot be seen or smelled, could enter the vehicle. This can cause unconsciousness and even death.

**Caution**

Before opening the tailgate, check overhead obstructions, e.g. a garage door, to avoid damage to the tailgate. Always check the moving area above and behind the tailgate.

**Note**

The installation of certain heavy accessories onto the tailgate may affect its ability to remain open.

**Note**

At low outside temperatures the tailgate may not open fully by itself. In this case lift the tailgate manually to its normal end position.

**Note**

The operation of the power tailgate is disabled under low vehicle battery conditions. In this case, the tailgate may not even be manually operable.

**Note**

With the power tailgate disabled and all doors unlocked, the tailgate can be manually operated. In this case, manually closing the tailgate requires significantly greater force.

# Vehicle security

## Anti-theft alarm system

The anti-theft alarm system is combined with the anti-theft locking system.

The anti-theft alarm system is combined with the central locking system.

It monitors:

- doors, tailgate, bonnet
- ignition

### Activation

All doors must be closed. Otherwise the system cannot be activated.

All doors must be closed and the electronic key of the electronic key system must not remain in the vehicle. Otherwise the system cannot be activated.

- Radio remote control: self-activated 30 seconds after locking the vehicle by pressing once.
- Electronic key system: self-activated 30 seconds after locking the vehicle by pressing the button on a respective exterior door handle.

- Radio remote control or electronic key: directly by pressing twice within five seconds.
- Electronic key system with passive locking enabled: briefly activated after passive locking occurs.

### Status LED

Status LED is integrated in the sensor on top of the instrument panel.

Status during the first 30 seconds of anti-theft alarm system activation:

LED illuminates : test, arming delay
LED flashes quickly : doors, tailgate or bonnet not completely closed, or system fault

Status after system is armed:

LED flashes slowly : system is armed

Seek the assistance of a Holden dealer in the event of faults.

### Deactivation

Radio remote control: Unlocking the vehicle by pressing deactivates the anti-theft alarm system.

Electronic key system: Unlocking the vehicle by pressing the button on a respective exterior door handle deactivates the anti-theft alarm system.

The electronic key must be outside the vehicle, within a range of approx. one metre of the relevant door side.

The system is not deactivated by unlocking the driver's door with the key or with the central locking button in the passenger compartment.

### Alarm

When triggered, the alarm horn sounds and the hazard warning lights flash simultaneously. The number and duration of alarm signals are stipulated by legislation.

The anti-theft alarm system can be deactivated by pressing , by pressing the switch on the door handle with electronic key system or switching on the ignition.

A triggered alarm, which has not been interrupted by the driver, will be indicated by the hazard warning lights. They will flash quickly three times the next time the vehicle is unlocked with the radio remote control. Additionally a warning message is displayed in the Driver Information Centre after switching on the ignition.

Vehicle messages ⇨ 96.

If the vehicle's battery is to be disconnected (e.g. for maintenance work), the alarm siren must be deactivated as follows: switch the ignition on then off, then disconnect the vehicle's battery within 15 seconds.

## Immobiliser

The system is part of the ignition switch and checks whether the vehicle is allowed to be started with the key being used.

The immobiliser is activated automatically after the key has been removed from the ignition switch.

If the control indicator flashes when the ignition is on, there is a fault in the system; the engine cannot be started. Switch off the ignition and repeat the start attempt.

If the control indicator continues flashing, attempt to start the engine using the spare key and seek the assistance of a Holden dealer.

**Note**

Radio Frequency Identification (RFID) tags may cause interference with the key. Do not have it placed near the key when starting the vehicle.

**Note**
The immobiliser does not lock the doors. You should always lock the vehicle after leaving it and switch on the anti-theft alarm system ⇨ 25, ⇨ 37.

Control indicator ⇨ 87.

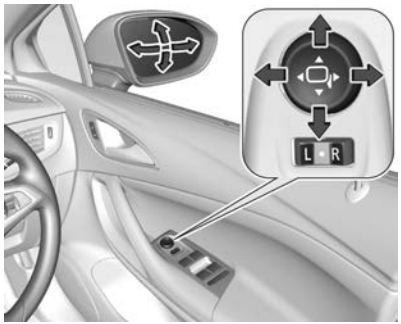
# Exterior mirrors

## Convex shape

The convex exterior mirror on the driver's side contains an aspherical area and reduces blind spots. The shape of the mirror makes objects appear smaller, which will affect the ability to estimate distances.

Side blind spot alert ⇨ 164.

## Electric adjustment




Select the relevant exterior mirror by switching the control to left **(L)** or right **(R)**. Then swivel the control to adjust the mirror.

In position ● no mirror is selected.

## Folding mirrors

For pedestrian safety, the exterior mirrors will swing out of their normal mounting position if they are struck with sufficient force. Reposition the mirror by applying slight pressure to the mirror housing.

### Electric folding

Switch control to ●, then push the control ▽ down. Both exterior mirrors will fold.

Push the control down again - both exterior mirrors return to their original position.

If an electrically folded mirror is manually extended, pressing down the control will only electrically extend the other mirror.

## Heated mirrors

Operated by pressing ⛆.

Heating works with the engine running and is switched off automatically after a short time.

# Interior mirrors

## Manual anti-dazzle

To reduce dazzle, adjust the lever on the underside of the mirror housing.

## Automatic anti-dazzle

Dazzle from following vehicles at night is automatically reduced.

# Windows

## Windscreen

### Windscreen stickers

Do not attach stickers such as toll road stickers or similar on the windscreen in the area of the interior mirror. Otherwise the detection zone of the sensor and the view area of the camera in the mirror housing could be restricted.

### Windscreen replacement

**Caution**

If the vehicle has a front-looking camera sensor for the driver assistance systems, it is very important that any windscreen replacement is performed accurately according to Holden specifications. Otherwise, these systems may not work properly and there is a risk of unexpected behaviour and/or messages from these systems.

## Power windows

**⚠ Warning**

Take care when operating the power windows. Risk of injury, particularly to children.

If there are children on the rear seats, switch on the child safety system for the power windows.

Keep a close watch on the windows when closing them. Ensure that nothing becomes trapped in them as they move.

Switch on ignition to operate power windows. Retained power off ⇨ 123.

Operate the switch for the respective window by pushing to open or pulling to close.

**Driver's door (5-door Hatchback), all doors (Sportwagon):**
Pushing or pulling gently to the first detent: window moves up or down as long as the switch is operated.

Pushing or pulling firmly to the second detent then releasing: window moves up or down automatically with safety function enabled. To stop movement, operate the switch once more in the same direction.

**Except driver's door (5-door Hatchback):**
Pushing gently to the first detent or pulling: window moves up or down as long as the switch is operated.

Pushing firmly to the second detent then releasing: window moves down automatically. To stop movement, operate the switch once more in the same direction.

## Safety function

If the driver's door window glass encounters resistance above the mid-way point during automatic closing, it is immediately stopped and opened again.

## Override safety function

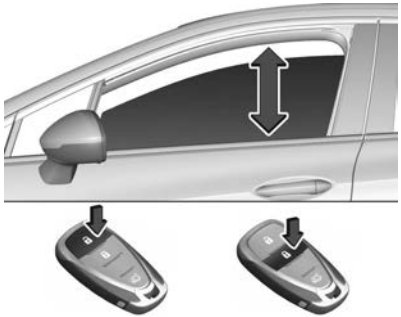
In the event of closing difficulties due to frost or the like, switch on the ignition, then pull the switch to the first detent and hold. The window moves up without safety function enabled. To stop movement, release the switch.

## Child safety system for rear windows

Press to deactivate rear door power windows; the LED illuminates. To activate, press again.

## Operating windows from outside (Sportwagon)

The windows can be operated remotely from outside the vehicle.



Press and hold to open windows.

Press and hold to close windows.

Release button to stop window movement.

If the windows are fully opened or closed, the hazard warning lights will flash twice.

### Overload

If the windows are repeatedly operated within short intervals, the window operation is disabled for some time.

### Initialising the power windows

If the windows cannot be closed automatically (e.g. after disconnecting the vehicle battery), a warning message is displayed in the Driver Information Centre.

Activate the window electronics as follows:

1. Close doors.
2. Switch on ignition.
3. Push switch until the window is completely open and keep pushing for additional two seconds.
4. Pull switch until the window is closed and keep pulling for additional two seconds.
5. Repeat for each window.

## Heated rear window

Operated by pressing .

Heating works with the engine running and is switched off automatically after a short time.

## Sun visors

The sun visors can be folded down or swivelled to the side to prevent dazzling.

If the sun visors have integral mirrors, the mirror covers should be closed when driving.

A ticket holder is located on the backside of the sun visor.

# Roof

## Sunroof

**⚠Warning**

Take care when operating the sunroof. Risk of injury, particularly to children.

Keep a close watch on the movable parts when operating them. Ensure that nothing becomes trapped in them as they move.

Switch on ignition to operate the sunroof.

### Open or close

Press ⌓ or ⌓ gently to the first detent: sunroof is opened or closed as long as the switch is operated.

Press ⌓ or ⌓ firmly to the second detent then release: the sunroof is opened or closed automatically. During closing the safety function is enabled. To stop movement, operate the switch once more.

### Raise or close

Press ⌓ or ⌓: sunroof is raised or closed automatically. During closing the safety function is enabled.

### Sunblind

The sunblind is manually operated.

Close or open the sunblind by sliding. When the sunroof is open, the sunblind is always open.

### General hints

**Safety function**

If the sunroof encounters resistance during automatic closing, it is immediately stopped and opened again.

**Override safety function**

In the event of closing difficulties, e.g. due to frost, hold the switch ⌓ pressed to the second detent. The sunroof closes with safety function disabled. To stop movement, release the switch.

**Initialising after a power failure**

After a power failure, it may only be possible to operate the sunroof to a limited extent. Have the system initialised by a Holden dealer.

# Seats, restraints

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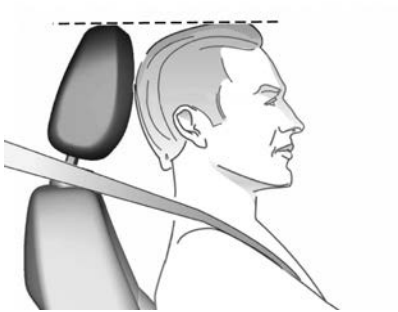
# Head restraints

## Position

**⚠Warning**

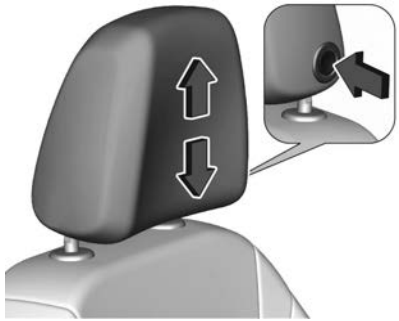
Only drive with the head restraint set to the proper position.



The upper edge of the head restraint should be at upper head level. If this is not possible for extremely tall people, set to highest position, and set to lowest position for small people.

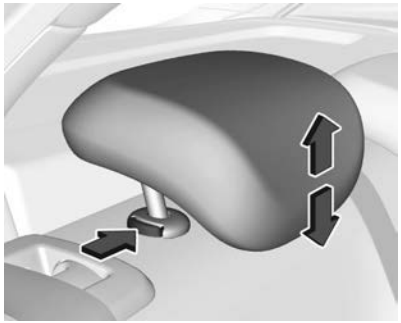
## Adjustment

**Head restraints on front seats**



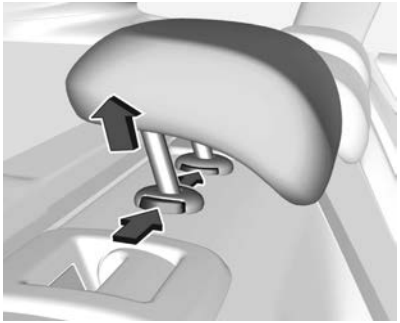
**Height adjustment**
Press release button, adjust height, engage.

### Head restraints on rear seats



**Height adjustment**
Pull the head restraint upwards or press the catch to release and push the head restraint downwards.

**Removal of rear head restraints**
E.g. for load compartment extension ⇨ 60.



Press both catches, pull the head restraint upwards and remove.

**⚠Warning**

Do not dive without the head restraints for all occupants installed and adjusted properly.

# Front seats

## Seat position

**⚠Warning**

Only drive with the seat correctly adjusted.

**⚠Danger**

Do not sit closer than 25 cm to the steering wheel, to permit safe airbag deployment.

**⚠Warning**

Never adjust seats while driving as they could move uncontrollably.

**⚠Warning**

Never store any objects under the seats.

- Sit with buttocks as far back against the backrest as possible. Adjust the distance between the seat and the pedals so that legs are slightly angled when fully pressing the pedals. Slide the front passenger seat as far back as possible.
- Set seat height high enough to have a clear field of vision on all sides and of all display instruments. There should be at least one hand of clearance between head and the roof frame. Your thighs should rest lightly on the seat without pressing into it.
- Sit with shoulders as far back against the backrest as possible. Set the backrest rake so that it is possible to easily reach the steering wheel with arms slightly bent. Maintain contact between shoulders and the backrest when turning the steering wheel. Do not angle the backrest too far back. We recommend a maximum rake of approx. 25°.
- Adjust seat and steering wheel in a way that the wrist rests on top of the steering wheel while the arm is fully extended and shoulders on the backrest.
- Adjust the steering wheel ⇨ 69.
- Adjust the head restraint ⇨ 45.
- Adjust the thigh support so that there is a space approx. two fingers wide between the edge of the seat and the hollow of the knee.
- Adjust the lumbar support so that it supports the natural shape of the spine.

## Manual seat adjustment

Drive only with engaged seats and backrests.

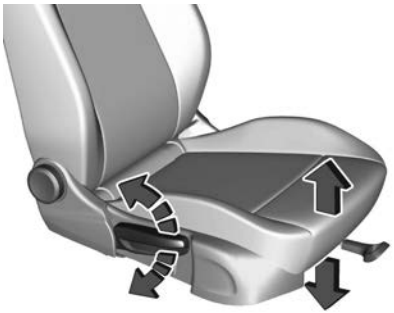
### Longitudinal adjustment

Pull handle, slide seat, release handle. Try to move the seat back and forth to ensure that the seat is locked in place.

## Backrest inclination

Turn handwheel. Do not lean on backrest when adjusting.

## Seat height



Lever pumping motion

up : seat higher
down : seat lower

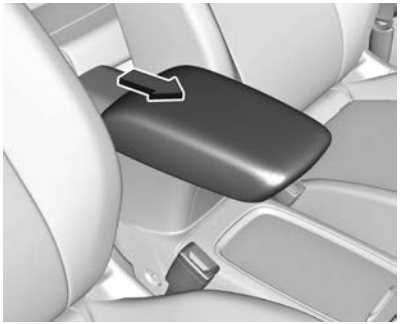
## Lumbar support

Adjust lumbar support using the four-way switch to suit personal requirements.

Moving support up and down: push switch up or down.

Increasing and decreasing support: push switch forwards or backwards.

## Armrest



The armrest can be slid forwards by 10 cm. Under the armrest there is a storage compartment.

Armrest storage ⇨ 59.

## Heating

Adjust heating to the desired setting by pressing for the respective seat one or more times. The control indicator in the button indicates the setting.

Prolonged use of the highest setting for people with sensitive skin is not recommended.

The seat heating will be reduced automatically from highest level to medium level after 30 minutes.

Seat heating is operational when engine is running and during an Autostop.

Stop-start system ⇨ 125

# Seat belts

The seat belts are locked during heavy acceleration or deceleration of the vehicle, holding the occupants in the seat position. Thereby the risk of injury is considerably reduced.

**⚠Warning**

Fasten seat belt before each trip.

In the event of an accident, people not wearing seat belts endanger their fellow occupants and themselves.

Seat belts are designed to be used by only one person at a time. Child restraint system ⇨ 55.

Periodically check all parts of the belt system for damage, soiling and proper functionality.

Have damaged components replaced. After an accident, have the belts and triggered belt pretensioners replaced by a Holden dealer.

**Note**
Make sure that the belts are not damaged by shoes or sharp-edged objects or trapped. Prevent dirt from getting into the belt retractors.

## Seat belt reminder

Each seat is equipped with a seat belt reminder, indicated for front seats by control indicators and , or for rear seats by the symbol in the Driver Information Centre ⇨ 83.

## Belt force limiters

Stress on the body is reduced by the gradual release of the belt during a collision.

## Belt pretensioners

In the event of a head-on, rear-end or side-on collision of a certain severity, the front and rear outboard seat belts are tightened. The front seat belts and the outer seat belts are tightened by one pretensioner per seat.

**⚠Warning**

Incorrect handling (e.g. removal or fitting of belts) can trigger the belt pretensioners.

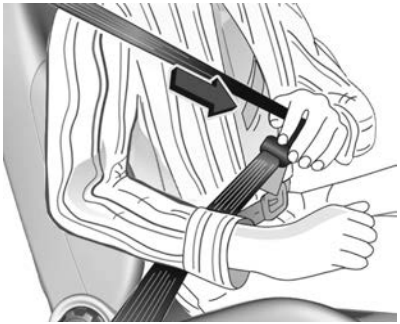
Deployment of the belt pretensioners is indicated by continuous illumination of control indicator ⇨ 84.

Triggered belt pretensioners must be replaced by a Holden dealer. Belt pretensioners can only be triggered once.

**Note**
Do not affix or install accessories or other objects that may interfere with the operation of the belt pretensioners. Do not make any modifications to belt pretensioner components as this will invalidate the vehicle type approval.

## Three-point seat belt

### Fasten



Withdraw the belt from the retractor, guide it untwisted across the body and insert the latch plate into the buckle. Tighten the lap belt regularly whilst driving by pulling the shoulder belt.

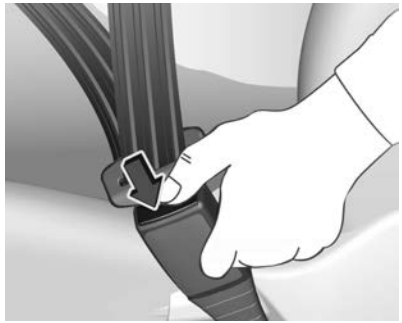
Loose or bulky clothing prevents the belt from fitting snugly. Do not place objects such as handbags or mobile phones between the belt and your body.

**⚠ Warning**

The belt must not rest against hard or fragile objects in the pockets of your clothing.

Seat belt reminder, ⇨ 83.

### Unfasten



To release belt, press red button on belt buckle.

### Using the seat belt while pregnant

**⚠Warning**

The lap belt must be positioned as low as possible across the pelvis to prevent pressure on the abdomen.

## Airbag system

The airbag system consists of a number of individual systems depending on the scope of equipment.

When triggered, the airbags inflate within milliseconds. They also deflate so quickly that it is often unnoticeable during the collision.

**⚠Warning**

If handled improperly, the airbag systems can be triggered in an explosive manner.

**⚠Warning**

Adding accessories that change the vehicle's frame, bumper system, height, front end or side sheet metal, may keep the airbag system from working properly. The operation of the airbag system can also be affected by changing any parts of the front seats, seat belts, airbag sensing and diagnostic module, steering wheel, instrument panel, inner door seals including the speakers, any of the airbag modules, ceiling or pillar trim, front sensors, side impact sensors or airbag wiring.

**Note**

The airbag systems and belt pretensioner control electronics are located in the centre console area. Do not put any magnetic objects in this area.

Do not affix any objects onto the airbag covers and do not cover them with other materials.

Each airbag is triggered only once. Have deployed airbags replaced by a Holden dealer. Furthermore, it may be necessary to have the steering wheel, the instrument panel, parts of the panelling, the door seals, handles and the seats replaced.

Do not make any modifications to the airbag system as this will invalidate the vehicle type approval.

When the airbags inflate, escaping hot gases may cause burns.

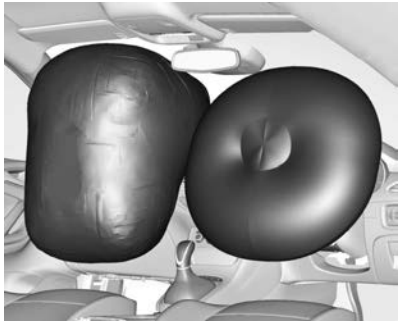
Control indicator for airbag systems ⇨ 84.

## Front airbag system

The front airbag system consists of one airbag in the steering wheel and one in the instrument panel on the front passenger side. These can be identified by the word **AIRBAG**.

Additionally there is a warning label on the front passenger sun visor.

The front airbag system is triggered in the event of a front-end impact of a certain severity. The ignition must be switched on.



The inflated airbags cushion the impact, thereby reducing the risk of injury to the upper body and head of the front seat occupants considerably.

**⚠Warning**

Optimum protection is only provided when the seat is in the proper position.

Seat position ⇨ 46.

Keep the area in which the airbag inflates clear of obstructions.

Fit the seat belt correctly and engage securely. Only then is the airbag able to protect.

**⚠Warning**

**EXTREME HAZARD!**

Do not use a rearward facing child restraint on a seat protected by an airbag in front of it!

The child could be seriously injured if the airbag inflates, as the child's head would be very close to the inflating airbag.

## Side airbag system

The side airbag system consists of an airbag in each front seat backrest. This can be identified by the word **AIRBAG**.

The side airbag system is triggered in the event of a side impact of a certain severity. The ignition must be switched on.

The inflated airbags cushion the impact, thereby reducing the risk of injury to the upper body and pelvis in the event of a side-on collision considerably.

**⚠Warning**

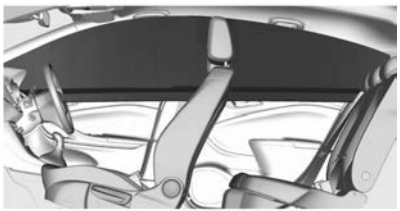
Keep the area in which the airbag inflates clear of obstructions.

**Note**
Only use protective seat covers that have been approved for the vehicle. Be careful not to cover the airbags.

## Curtain airbag system

The curtain airbag system consists of an airbag in the roof frame on each side. This can be identified by the word **AIRBAG** on the roof pillars.

The curtain airbag system is triggered in the event of a side-on impact of a certain severity. The ignition must be switched on.



The inflated airbags cushion the impact, thereby reducing the risk of injury to the head in the event of a side-on impact considerably.

⚠Warning

Keep the area in which the airbag inflates clear of obstructions.

The hooks on the handles in the roof frame are only suitable for hanging up light articles of clothing, without coat hangers. Do not keep any items in these clothes.

# Child restraints

## Child restraint systems

When a child restraint system is being used, pay attention to the following usage and installation instructions and also those supplied with the child restraint system.

There is a warning label on the front passenger sun visor.

⚠Warning

EXTREME HAZARD!

Do not use a rearward facing child restraint on a seat protected by an airbag in front of it!

The child could be seriously injured if the airbag inflates, as the child's head would be very close to the inflating airbag.

⚠Warning

This manual provides you with general information concerning child restraints only. The driver is required by law to ensure that passengers and pets are suitably restrained.

In most States and Territories of Australia and New Zealand, specific laws may exist which require children to be seated in approved child restraints and/or certain locations within the vehicle. Holden strongly recommends that you refer to your

specific State or Territory regulations to determine which child restraint and seat location is suitable for your child.

Children should be restrained at all times when travelling in a vehicle.

Always ensure that the seat belt fits firmly around the child restraint, as applicable to the type of restraint used.

If a child cannot see out of the window, do not raise him/her by means of an ordinary cushion. It will not stay in place in a collision and the child can slip out of the straps and become entangled.

**⚠ Warning**

It is safest for children to be seated in the rear seat.

Only child restraints that have clips to attach to the vehicle's anchorage fitting are to be used. Earlier types of child restraints may not attach securely to this type of anchor.

Use only Standards Australia and New Zealand approved child restraints and harnesses. You should only purchase a child restraint which carries the appropriate Standards Australia sticker of approval.

Australian States and Territories and New Zealand have laws restricting the seating of children in the front passenger seat. In most jurisdictions, children under 4 years should not be seated in the front passenger seat. Check your local road safety regulations before seating a child in the front seat. Where legally allowable, you may install a forward-facing child restraint in the front seat, but always move the passenger seat as far back as it will go.

Child restraint anchorages are designed to withstand only those loads imposed by correctly fitted child restraints. Under no circumstances are they to be used for adult seat belts, harnesses or for attaching other items or equipment to the vehicle.

Always follow the child restraint manufacturer's fitting instructions when installing a child restraint into the vehicle.

## Selecting the right system

The rear seats are the safest location to fasten a child restraint system.

Your child should travel facing backwards in the vehicle, until as old as possible. It is appropriate to change the system when the child's head can no longer be properly supported at eye height. The child's cervical vertebrae are still very weak and in an accident they suffer less stress in the semi-prone rearward position than when sitting upright.

Never carry a child whilst travelling in the vehicle. The child will become too heavy to hold in the event of a collision.

When transporting children, use the child restraint systems suitable for the child's weight.

Ensure that the child restraint system to be installed is compatible with the vehicle type.

Ensure that the mounting location of the child restraint system within the vehicle is correct.

Only allow children to enter and exit the vehicle at the side facing away from the traffic.

When the child restraint system is not in use, secure the seat with a seat belt or remove it from the vehicle.

**Note**

Do not stick anything on the child restraint systems and do not cover them with any other materials.

A child restraint system which has been subjected to stress in an accident must be replaced.

Please ensure that infants and children are seated in the rear seats using child restraints.

Until the children can use seat belts, please select a child restraint suitable for its age and make sure the child wears it. Please see the instructions on the relevant products for child restraints.

## Child restraint installation locations

### Permissible options for fitting a child restraint system

| Weight class | On front passenger seat | On rear outboard seats | On rear centre seat |
|---|---|---|---|
| Group 0: up to 10 kg | X | U[1] | U |
| Group 0+: up to 13 kg | X | U[1] | U |
| Group I: 9 to 18 kg | X | U[1] | U |
| Group II: 15 to 25 kg | X | U[1] | U |
| Group III: 22 to 36 kg | X | U[1] | U |

U : Universal suitability in conjunction with three-point seat belt.
X : No child restraint system permitted in this weight class.
1 : Seat available with ISOFIX and Top-Tether mounting brackets.

# Storage

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Roof rack ..... 65
**Loading information** ..... **66**

## Storage compartments

**⚠Warning**

Do not store heavy or sharp objects in the storage compartments. Otherwise, the storage compartment lid could open and vehicle occupants could be injured by objects being thrown around in the event of hard braking, a sudden change in direction or an accident.

### Glovebox

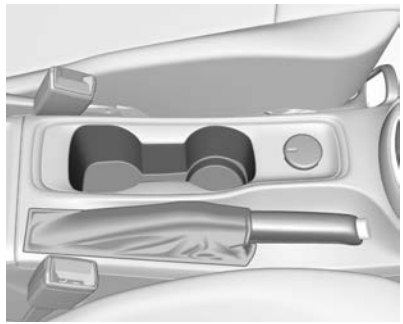
The glovebox features:

- a pen holder
- a coin holder

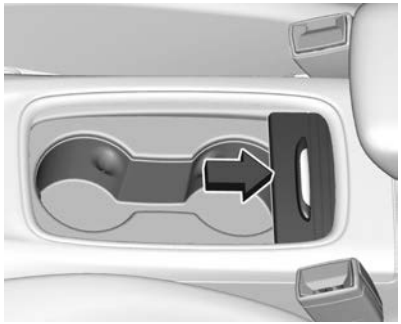
**⚠Warning**

To reduce the risk of injury in an accident or a sudden stop, always keep the glovebox door closed while driving.

### Cupholders

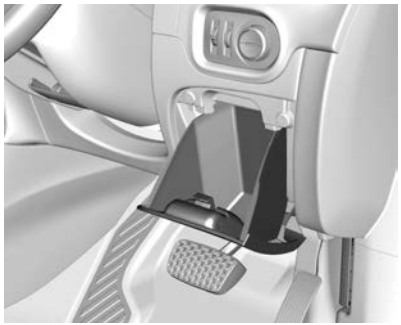


Cupholders are located in the centre console.



Depending on the version, cupholders are located under a cover in the centre console. Slide cover backwards.

## Front storage



A storage compartment is located next to the steering wheel.

## Armrest storage

### Storage under the front armrest

Press button to fold up the armrest. The armrest must be in rearmost position.

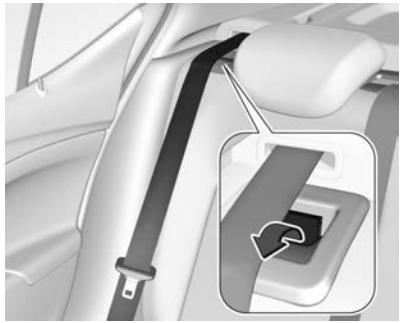
# Load compartment

The rear seat backrest is divided into two parts. All parts can be folded down.

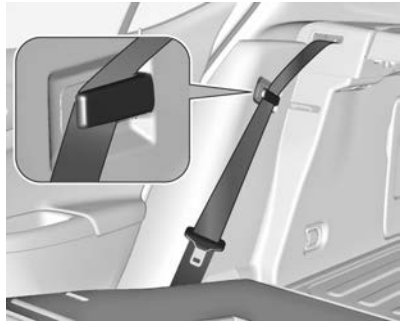
Before folding rear seat backrests, execute the following if necessary:

- Remove the load compartment cover ⇨ 62.
- Sportwagon: remove roller blind ⇨ 62
- Press and hold the catch to push the head restraints down ⇨ 45.
- Remove the rear head restraints to have the backrests fully rest on the seat cushions ⇨ 45.

## Load compartment extension, 5-door Hatchback



- Guide the seat belts of the outer seats through side supports to protect them against damage. When folding the backrests, pull the seat belts along with them.
- Pull the release lever on one or both outer sides and fold down the backrests onto the seat cushion.



- Take the seat belt out of the seat backrest guide and put it behind the retainer as shown in the illustration.
- To fold up, raise the backrests and guide them into an upright position until they engage audibly.

The backrests are properly engaged when the red mark near the release lever is no longer visible.

**⚠Warning**

When folding up, ensure that backrests are securely locked in position before driving. Failure to do so may result in personal injury or damage to the load or vehicle in the event of hard braking or a collision.

The seat belt of the centre seat could be locked when the backrest is folded up too quickly. To unlock the retractor, push in the seat belt or pull it out by approx. 20 mm then release.

## Load compartment extension, Sportwagon

- Insert latch plates of the outer seat belts into side holder to protect the belts against damage, see illustration.

- Pull the release lever on one or both outer sides and fold down the backrests onto the seat cushion.
- To fold up, raise the backrests and guide them into an upright position until they engage audibly.

The backrests are properly engaged when the red marks on both sides near the release lever are no longer visible.

**⚠ Warning**

When folding up, ensure that backrests are securely locked in position before driving. Failure to do so may result in personal injury or damage to the load or vehicle in the event of hard braking or a collision.

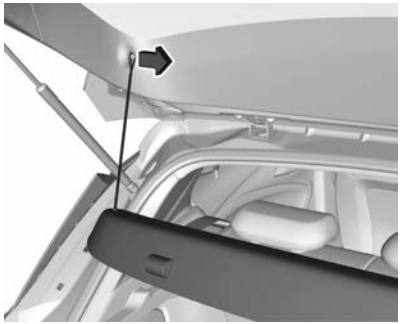
The seat belt of the centre seat could be locked when the backrest is folded up too quickly. To unlock the retractor, push in the seat belt or pull it out by approx. 20 mm then release.

## Load compartment cover

Do not place any objects on the cover.

## 5-door hatchback

### Removing



Unhook retaining strings from tailgate.

Lift cover at the rear and push it upwards at the front.

Remove the cover.

### Fitting

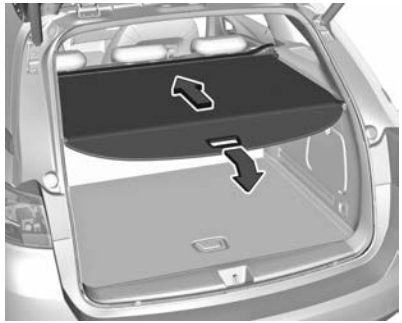
Engage cover in side guides and fold downwards. Attach retaining strings to tailgate.

## Sportwagon

### Closing roller blind

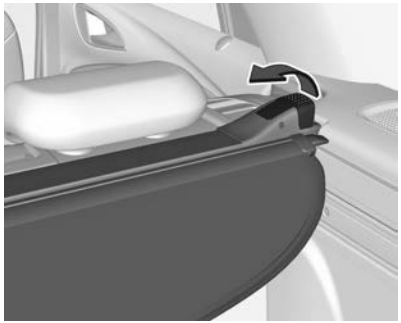
Pull the roller blind using the handle towards the rear and upwards until it engages in the sideward retainers.

### Opening roller blind



Pull the handle at the end of the roller blind to the rear and downwards. It rolls up automatically.

### Removing roller blind



Open the roller blind.

Pull the release lever on the right side up and hold it. Lift the roller blind first on the right side and remove from retainers.

### Installing roller blind

Insert the left side of the roller blind in the recess, then pull the release lever up and hold and insert the right side of the roller blind in the recess and engage.

## Rear floor storage cover

### Rear floor cover

#### 5-door Hatchback

The rear floor cover can be removed. Raise cover at the rear and slightly rotate at one side before removing.

#### Sportwagon

Pull the handle and fold the rear part of the cover forward.

Set up the folded cover upright behind the rear seat backrests.

## Lashing eyes

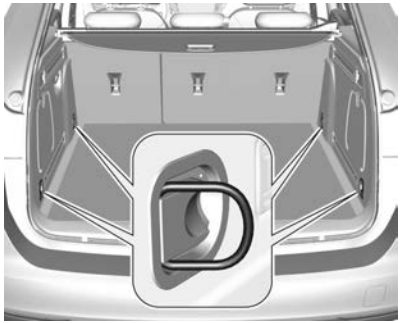
The lashing eyes are designed to secure items against slippage, e.g. using lashing straps or luggage net.

### 5-door Hatchback

First remove the rear floor storage cover to get access to the lashing eyes.

The front lashing eyes are located at the sidewalls.

### Sportwagon



Front and rear lashing eyes are located at the sidewalls. Fold up the lashing eyes to use and fold down when not required.

# Roof rack system

## Roof rack

Follow the installation instructions and remove the roof rack when not in use.

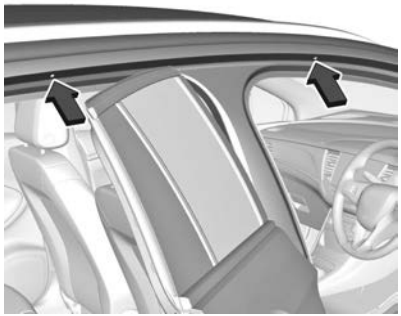
**⚠Warning**

For safety reasons, and to avoid damaging the roof, use only the roof rack approved by Holden for your vehicle. The maximum allowable roof load (including the weight of the roof racks) is 75 kg.

Roof rack loads alter the handling of a vehicle due to a change in the centre of gravity.

### Mounting roof rack

#### 5-door Hatchback, Sportwagon



Open all doors.

Mounting points are located in each door frame of the vehicle body.

Fasten the roof rack according to the installation instructions delivered with the roof rack.

Remove the roof rack when not in use.

**⚠ Warning**

**Sportwagon**

Roof railings are a styling element only and not designed to carry any load. Installation of roof racks or other accessory is not permitted. Use the designated mounting points in the door frames exclusively.

## Loading information

- Heavy objects in the load compartment should be placed against the seat backrests. Make sure that the backrests are securely engaged, i.e. no longer showing the red markings on the side near the release lever. If objects can be stacked, heavier objects should be placed at the bottom.
- Secure objects with lashing straps attached to lashing eyes ⇨ 65.

- Secure loose objects in the load compartment to prevent them from sliding.
- When transporting objects in the load compartment, the backrests of the rear seats must not be angled forward.
- Do not allow the load to protrude above the upper edge of the backrests.
- Do not place any objects on the load compartment cover or the instrument panel, and do not cover the sensor on top of the instrument panel.
- The load must not obstruct the operation of the pedals, parking brake and gear selector lever, or hinder the freedom of movement of the driver. Do not place any unsecured objects in the interior.
- Do not drive with an open load compartment.

**⚠Warning**

Always make sure that the load in the vehicle is securely stowed. Otherwise objects can be thrown around inside the vehicle and cause personal injury or damage to the load or car.

- Optional equipment and accessories increase the kerb weight.
- Driving with a roof load increases the sensitivity of the vehicle to cross-winds and has a detrimental effect on vehicle handling due to the vehicle's higher centre of gravity. Distribute the load evenly and secure it properly with retaining straps. Adjust the tyre pressure and vehicle speed according to the load conditions. Check and retighten the straps frequently.

  The permissible roof load is 75 kg. The roof load is the combined weight of the roof rack and the load.

# Instruments and controls

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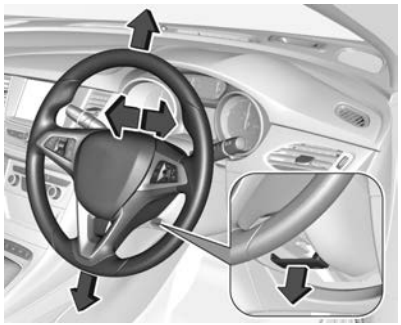
# Controls

## Steering wheel adjustment



Unlock lever, adjust steering wheel, then engage lever and ensure it is fully locked.

Do not adjust steering wheel unless vehicle is stationary and steering wheel lock has been released.

## Steering wheel controls

Driver Information Centre, some driver assistance systems, Infotainment system and a connected mobile phone can be operated via the controls on the steering wheel.

The illustrations show different versions.

Driver Information Centre ⇨ 89, Driver assistance systems ⇨ 139.

Further information is available in the Infotainment manual.

## Heated steering wheel

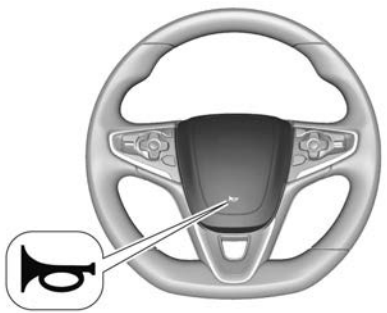
Activate heating by pressing ♨. Activation is indicated by the LED in the button.

The recommended grip areas of the steering wheel are heated quicker and to a higher temperature than the other areas.

Heating is operational when the engine is running and during an Autostop.

Stop-start system ⇨ 125.

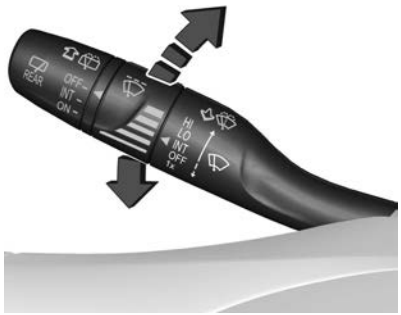
## Horn



Press 🔈.

## Windscreen wiper/washer

### Windscreen wiper with adjustable wiper interval




**HI** : fast
**LO** : slow
**INT** : interval wiping
**OFF** : off

For a single wipe when the windscreen wiper is off, press the lever downwards to position **1x**.

Do not use if the windscreen is frozen.

Switch off in car washes.

### Adjustable wiper interval

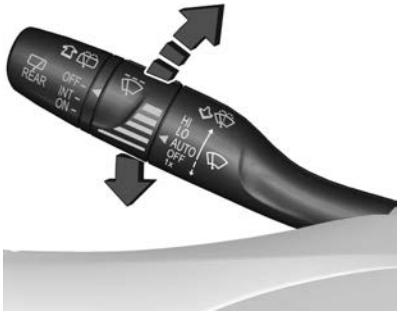
Wiper lever in position **INT**.

Turn the adjuster wheel to adjust the desired wipe interval:

short interval : turn adjuster wheel upwards

long interval : turn adjuster wheel downwards

### Windscreen wiper with rain sensor




**HI** : fast
**LO** : slow
**AUTO** : automatic wiping with rain sensor
**OFF** : off

In **AUTO** position, the rain sensor detects the amount of water on the windscreen and automatically regulates the frequency of the windscreen wiper.

For a single wipe when the windscreen wiper is off, press the lever downwards to position **1x**.

Do not use if the windscreen is frozen.

Switch off in car washes.

### Adjustable sensitivity of the rain sensor

Wiper lever in position **AUTO**.

Turn the adjuster wheel to adjust the sensitivity:

low sensitivity : turn adjuster wheel downwards

high sensitivity : turn adjuster wheel upwards

Keep the sensor free from dust, dirt and ice.

Rain sensor function can be activated or deactivated in the Vehicle personalisation.

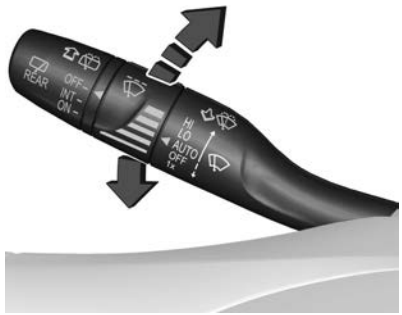
Select the relevant setting in **Settings**, ➧ **Vehicle** in the Info-Display.

When deactivated, the wipers operate as adjustable wiper interval type.

Info-Display ⇨ 94.

Vehicle personalisation ⇨ 97.

## Windscreen washer




Pull lever. Washer fluid is sprayed onto the windscreen and the wiper wipes a few times.

Washer fluid ⇨ 184.

## Rear window wiper/washer

Turn outer cap to activate the rear window wiper:

**ON** : continuous operation
**INT** : intermittent operation
**OFF** : off

Do not use if the rear window is frozen.

Switch off in car washes.

The rear window wiper comes on automatically when the windscreen wiper is switched on and reverse gear is engaged.

Activation or deactivation of this function can be changed in the menu **Settings** in the Info-Display.

Vehicle personalisation ⇨ 97.

### Rear window washer

Push lever.

Washer fluid is sprayed onto the rear window and the wiper wipes a few times.

The rear window washer system is deactivated when the fluid level is low.

Washer fluid ⇨ 184

## Outside temperature

The outside temperature is displayed on the Infotainment screen, when the ignition is on.

A drop in temperature is indicated immediately and a rise in temperature after a time delay.

Illustration shows an example.

Ice Possible.
Drive
with Care

If outside temperature drops to 3 °C, a warning message is displayed in the Driver Information Centre.

**⚠ Warning**

The road surface may already be icy even though the display indicates a few degrees above 0 °C.

## Clock

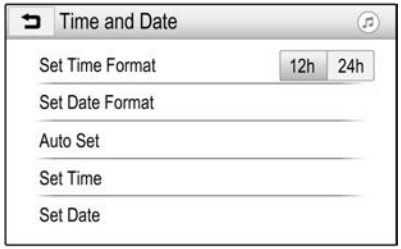
Date and time are shown in the Info-Display.

Info-Display ⇨ 94.

## 7" Colour-Info-Display

Press ⌂ and then select **Settings**.

Select **Time and Date** to display the respective submenu.




### Set Time Format

To select the desired time format, touch the screen buttons **12 h** or **24 h**.

### Set Date Format

To select the desired date format, select **Set Date Format** and choose between the available options in the submenu.

### Auto Set

To choose whether time and date are to be set automatically or manually, select **Auto Set**.

For time and date to be set automatically, select **On - RDS**.

For time and date to be set manually, select **Off - Manual**. If **Auto Set** is set to **Off - Manual**, the submenu items **Set Time** and **Set Date** become available.

### Set time and date

To adjust the time and date settings, select **Set Time** or **Set Date**.

Touch **+** and **-** to adjust the settings.

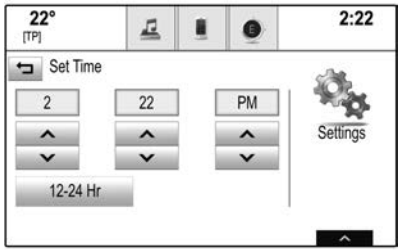
## 8" Colour-Info-Display

Press ⌂ and then select the **Settings** icon.

Select **Time and Date**.

### Set time

Select **Set Time** to enter the respective submenu.




Adjust hours and minutes by touching ∧ or ∨.

Touch **12-24 Hr** on the left side of the screen to select a time mode.

If 12-hour mode is selected, a third column for AM and PM setting is displayed. Select the desired option.

### Set date

Select **Set Date** to enter the respective submenu.

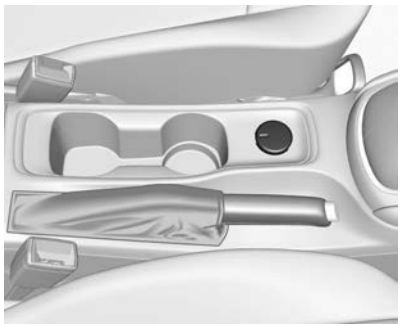
**Note**
If date information is automatically provided, this menu item is not available.

Adjust the date by touching ∧ or ∨.

**Clock display**
Select **Clock Display** to enter the respective submenu.

To turn off the digital clock display in the menus, select **Off**.

## Power outlets



A 12 Volt power outlet is located in the centre console.

Sportwagon: A 12 Volt power outlet is located at the left sidewall in the load compartment.

With ignition off, the power outlet is deactivated. Additionally, the power outlet is deactivated in the event of low vehicle battery voltage.

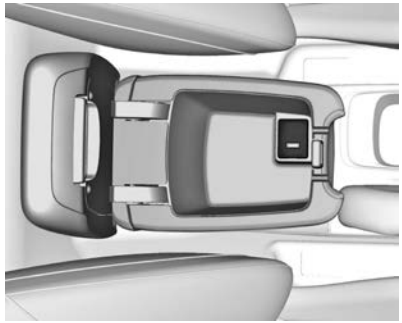
Do not exceed the maximum power consumption of 120 watts.

Do not connect any current-delivering accessories, e.g. electrical charging devices or batteries.

Do not damage the outlets by using unsuitable plugs.

Stop-start system ⇨ 125.

## USB charging port



A USB port for charging devices is located in the storage compartment under the armrest .

The USB port provides 2.1 Ampere at five Volts.

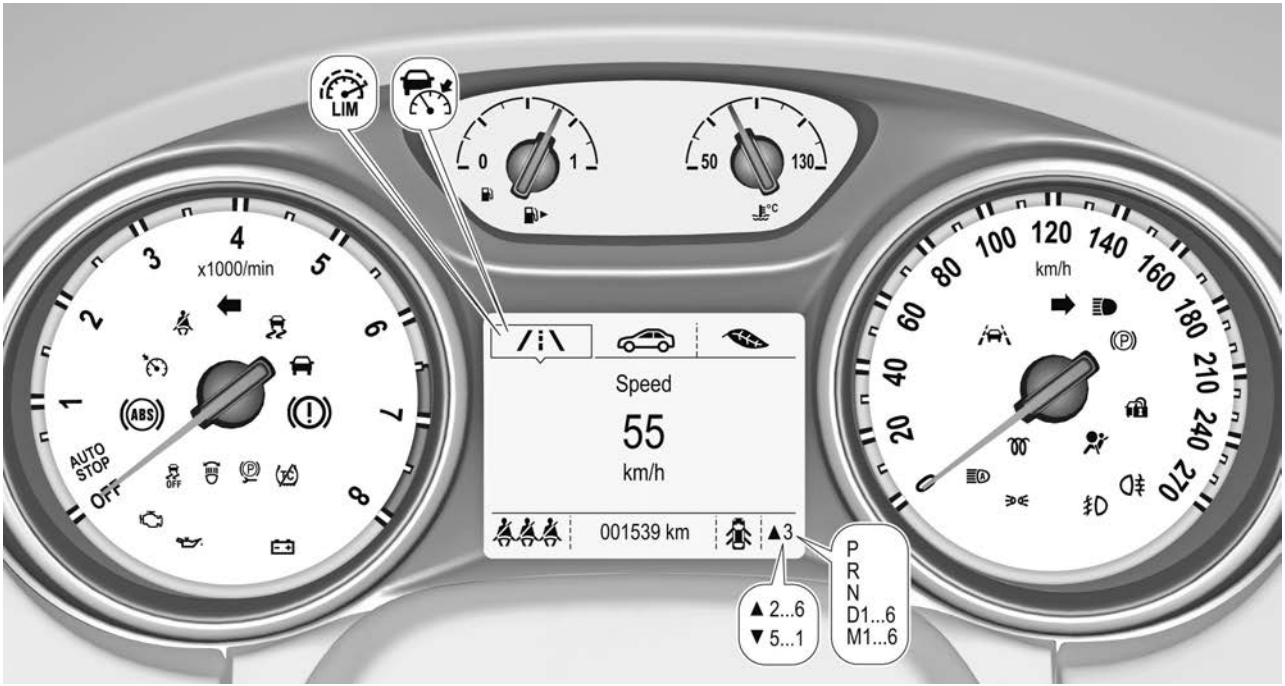
**Note**
The sockets must always be kept clean and dry.

# Warning lights, gauges and indicators

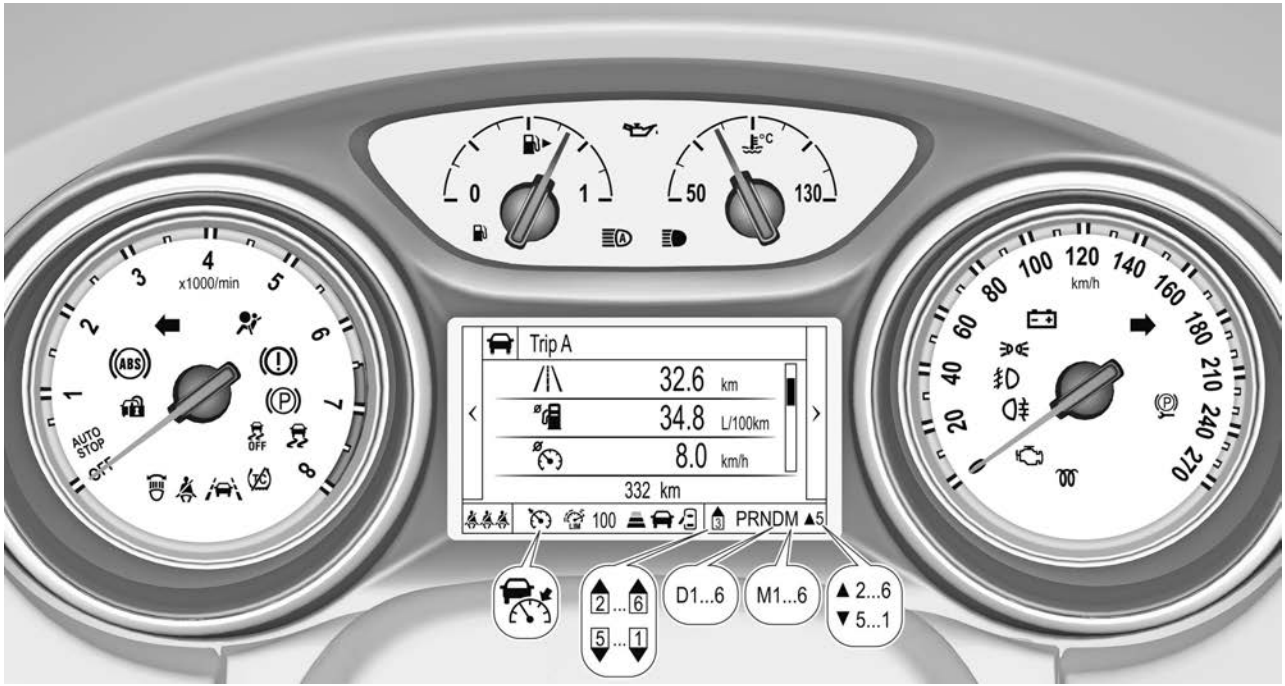
## Instrument cluster

Depending on the version, two instrument clusters are available:

## Midlevel instrument cluster



## Uplevel instrument cluster



## Overview

**Note**
Not all indicators may be available.

- Turn signal ⇨ 83
- Seat belt reminder ⇨ 83
- Airbag and belt tensioners ⇨ 84
- Charging system ⇨ 84
- Malfunction indicator light ⇨ 85
- Brake and clutch system ⇨ 85
- Electric parking brake ⇨ 85
- Electric parking brake fault ⇨ 85
- Antilock brake system (ABS) ⇨ 86
- Gear shifting ⇨ 86
- Following distance ⇨ 86
- Lane keep assist ⇨ 86
- Electronic Stability Control off ⇨ 86
- Electronic Stability Control and Traction Control system ⇨ 86
- Traction Control system off ⇨ 87
- Engine oil pressure ⇨ 87
- Low fuel ⇨ 87
- Immobiliser ⇨ 87
- Exterior light ⇨ 88
- High beam ⇨ 88
- High beam assist ⇨ 88
- LED headlights ⇨ 88
- Rear fog light ⇨ 88
- Cruise control ⇨ 88 / Adaptive cruise control ⇨ 88
- Adaptive cruise control ⇨ 88
- Vehicle detected ahead ⇨ 88
- Speed limiter ⇨ 89
- Door open ⇨ 89

## Speedometer

Indicates vehicle speed.

## Odometer

The total recorded distance is displayed in km.

## Trip odometer

The recorded distance since the last reset is displayed on the trip computer page.

Trip odometer counts up to 9,999 km and then restarts at 0.

Two trip odometer pages are selectable for different trips.

### Midlevel instrument cluster

Select /i\ by pressing **Menu** on the turn signal lever. Turn adjuster wheel on turn signal lever and select /i\1 or /i\2. Each trip odometer page can be reset separately by pressing **SET/CLR** on the turn signal lever for a few seconds on the respective menu.

### Uplevel instrument cluster

Select **Info** page on main menu. Choose page **Trip A** or **Trip B** by pressing ∨ on the steering wheel.

Each trip odometer can be reset separately when ignition is on: select respective page, press >. Confirm by pressing ✔.

Driver Information Centre ⇨ 89.

## Tachometer

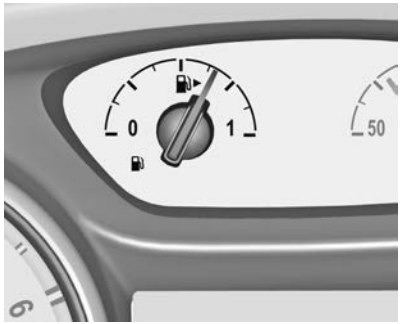
Displays the engine speed.

Drive in a low engine speed range for each gear as much as possible.

**Caution**

If the needle is in the red warning zone, the maximum permitted engine speed is exceeded. Engine at risk.

## Fuel gauge




Displays the level in the fuel tank.

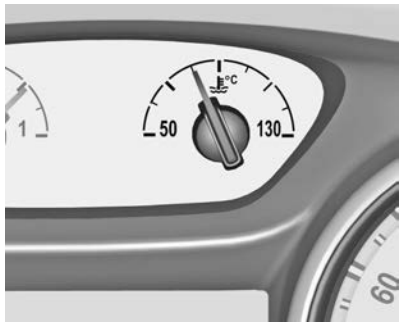
The arrow indicates the vehicle side where the fuel filler flap is located.

Control indicator ⛽ illuminates if the level in the tank is low. Refuel immediately if it flashes.

Never run the fuel tank dry.

Because of the fuel remaining in the tank, the top-up quantity may be less than the specified fuel tank capacity.

## Engine coolant temperature gauge




Displays the coolant temperature.

| | | |
|---|---|---|
| 50 | : | engine operating temperature not yet reached |
| central area | : | normal operating temperature |
| 130 | : | temperature too high |

| Caution |
| --- |
| If engine coolant temperature is too high, stop vehicle, switch off engine. Danger to engine. Check coolant level. |

## Service display

The engine oil life system informs when to change the engine oil and filter. Based on driving conditions, the interval at which an engine oil and filter change will be indicated can vary considerably.

Remaining
Oil Life

100%

The remaining oil life duration menu is displayed in the Driver Information Centre ⇨ 89.

On Midlevel display select the Vehicle information menu by pressing **MENU** on the turn signal lever. Turn the adjuster wheel to select the **Remaining Oil Life** page.

On Uplevel display select **Info** Menu by pressing < on steering wheel. Press ∨ to select **Remaining Oil Life** page.

Remaining oil life duration is indicated in percentage.

### Reset

On Midlevel display press **SET/CLR** on turn signal lever for several seconds to reset. The ignition must be switched on but engine not running.

On Uplevel display press > on steering wheel to open the subfolder. Select **Reset** and confirm by pressing

✔ for several seconds. The ignition must be switched on but engine not running.

The system must be reset every time the engine oil is changed to allow proper functionality. Seek the assistance of a Holden dealer.

### Next service

When the system has calculated that engine oil life has been diminished, **Change Engine Oil Soon** appears in the Driver Information Centre. Have the engine oil and filter changed in accordance with the recommendations in your Service & Warranty booklet.

Service information ⇨ 217.

It is possible that if you are driving under the best conditions, the oil life system may not indicate an oil change is necessary for a longer period than that shown in the Maintenance schedule. However, the engine oil and filter must be changed in accordance with the Maintenance schedule outline in the Service & Warranty Booklet.

## Control indicators

The control indicators described are not present in all vehicles. The description applies to all instrument versions. Depending on the equipment, the position of the control indicators may vary. When the ignition is switched on, most control indicators will illuminate briefly as a functionality test.

The control indicator colours mean:

red : danger, important reminder
yellow : warning, information, fault
green : confirmation of activation
blue : confirmation of activation
white : confirmation of activation

See all control indicators on different instrument clusters ⇨ 76.

## Turn signal

⇦⇨ illuminates or flashes green.

### Illuminates briefly

The parking lights are switched on.

### Flashes

A turn signal or the hazard warning flashers are activated.

Rapid flashing: failure of a turn signal light or associated fuse, failure of turn signal light on trailer.

Bulb replacement ⇨ 187, Fuses ⇨ 196.

Turn signals ⇨ 106.

## Seat belt reminder

### Seat belt reminder on front seats

for driver's seat illuminates or flashes red in the instrument cluster.

2 for front passenger seat illuminates or flashes red in the roof console, when seat is occupied.

**Illuminates**
After the ignition has been switched on until the seat belt has been fastened.

**Flashes**
After having started the engine for a maximum of 100 seconds until the seat belt has been fastened.

### Seat belt status on rear seats (vehicles with Midlevel display)

illuminates or flashes white or grey in the Driver Information Centre, after having started the engine.

**Illuminates white**
Seat belt is unfastened.

**Illuminates grey**
Seat belt has been fastened.

**Flashes white or grey**
Fastened seat belt has been unfastened.

Fastening the seat belt ⇨ 51.

### Seat belt status on rear seats (vehicles with Uplevel display)

illuminates green or grey or flashes yellow in the Driver Information Centre, after having started the engine.

**Illuminates grey**
Seat belt is unfastened.

**Illuminates green**
Seat belt has been fastened.

**Flashes yellow**
Fastened seat belt has been unfastened.

Fastening the seat belt ⇨ 51.

## Airbag and belt tensioners

illuminates red.

When the ignition is switched on, the control indicator illuminates for approx. four seconds. If it does not illuminate, does not go out after four seconds or illuminates whilst driving, there is a fault in the airbag system. Seek the assistance of a Holden dealer. The airbags and belt pretensioners may fail to trigger in the event of an accident.

Deployment of the belt pretensioners or airbags is indicated by continuous illumination of .

**⚠Warning**

Have the cause of the fault remedied immediately by your Holden Dealer.

Belt pretensioners, airbag system ⇨ 50, ⇨ 52.

## Charging system

illuminates red.

Illuminates when the ignition is switched on and extinguishes shortly after the engine starts.

### Illuminates when the engine is running

Stop, switch off engine. Vehicle battery is not charging. Engine cooling may be interrupted. The brake servo unit may cease to be effective. Seek the assistance of a Holden dealer.

## Malfunction indicator light

illuminates or flashes yellow.

Illuminates when the ignition is switched on and extinguishes shortly after the engine starts.

### Illuminates when the engine is running

Fault in the emission control system. The permitted emission limits may be exceeded.

Seek the assistance of a Holden dealer immediately.

### Flashes when the engine is running

Fault that could lead to catalytic converter damage. Ease up on the accelerator until the flashing stops. Seek the assistance of a Holden dealer immediately.

## Brake and clutch system

illuminates red.

The brake and clutch fluid level is too low ⇨ 184.

**⚠Warning**

Stop. Do not continue your journey. Contact your Holden Dealer.

Illuminates when the manual parking brake is applied and ignition is switched on ⇨ 134.

## Electric parking brake

Ⓟ illuminates or flashes red.

### Illuminates

Electric parking brake is applied ⇨ 134.

### Flashes

Electric parking brake is not fully applied or released. Depress the brake pedal and attempt to reset the system by first releasing then applying the electric parking brake. If Ⓟ remains flashing, do not drive and seek the assistance of a Holden dealer.

## Electric parking brake fault

illuminates or flashes yellow.

### Illuminates

Electric parking brake is operating with degraded performance ⇨ 134.

### Flashes

Electric parking brake is in service mode. Stop vehicle, apply and release the electric parking brake to reset.

**⚠Warning**

Have the cause of the fault remedied immediately by your Holden Dealer.

## Antilock brake system (ABS)

(ABS) illuminates yellow.

Illuminates for a few seconds after the ignition is switched on. The system is ready for operation when the control indicator extinguishes.

If the control indicator does not go out after a few seconds, or if it illuminates while driving, there is a fault in the ABS. The brake system remains operational but without ABS regulation.

Antilock brake system ⇨ 133.

## Gear shifting

▲ with the number of a higher gear is indicated, when upshifting is recommended for fuel saving reasons. Additionally, for vehicles with manual transmission ▼ with the number of a lower gear is indicated, when downshifting is recommended.

## Following distance

indicates the following distance setting of the alert timing sensitivity for the forward collision alert using filled distance bars.

Forward collision alert ⇨ 150.

## Lane keep assist

illuminates green or yellow, or flashes yellow.

### Illuminates green

The system is switched on and ready to operate.

### Illuminates yellow

The system approaches a detected lane marking without using the turn signal in that direction.

### Flashes yellow

The system recognizes that the lane is departed significantly.

Lane keep assist ⇨ 167

## Electronic Stability Control off

illuminates yellow.

The system is deactivated.

## Electronic Stability Control and Traction Control system

illuminates or flashes yellow.

### Illuminates

A fault in the system is present. Continued driving is possible. Driving stability, however, may deteriorate depending on road surface conditions.

Have the cause of the fault remedied by a Holden dealer.

### Flashes

The system is actively engaged. Engine output may be reduced and the vehicle may be braked automatically to a small degree.

Electronic Stability Control ⇨ 137, Traction Control system ⇨ 136.

## Traction Control system off

illuminates yellow.

The system is deactivated.

## Engine oil pressure

illuminates red.

Illuminates when the ignition is switched on and extinguishes shortly after the engine starts.

### Illuminates when the engine is running

**Caution**

Engine lubrication may be interrupted. This may result in damage to the engine and/or locking of the drive wheels.

1. Depress clutch.
2. Select neutral gear, set selector lever to **N**.
3. Move out of the flow of traffic as quickly as possible without impeding other vehicles.
4. Switch off ignition.

**⚠ Warning**

When the engine is off, considerably more force is needed to brake and steer. During an Autostop the brake servo unit will still be operational.

Do not remove key until vehicle is stationary, otherwise the steering wheel lock could engage unexpectedly.

Check oil level before seeking assistance of a Holden dealer ⇨ 182.

## Low fuel

illuminates or flashes yellow.

### Illuminates

Level in fuel tank is too low.

### Flashes

Fuel used up. Refuel immediately. Never run the tank dry.

Refuelling ⇨ 170.

Catalytic converter ⇨ 129.

## Immobiliser

flashes yellow.

Fault in the immobiliser system. The engine cannot be started.

## Exterior light

illuminates green.

The exterior lights are on ⇨ 101.

## High beam

illuminates blue.

Illuminated when high beam is on or during headlight flash ⇨ 102.

## High beam assist

illuminates green.

The high beam assist is activated, see LED headlights ⇨ 103.

## LED headlights

illuminates or flashes yellow.

### Illuminates

Fault in the system.

Seek the assistance of a Holden dealer.

### Flashes

System is switched to symmetrical low beam.

Control indicator flashes for approx. four seconds after the ignition is switched on as a reminder for symmetrical headlight.

## Rear fog light

illuminates yellow.

The rear fog light is on ⇨ 106.

## Cruise control

illuminates white or green.

### Illuminates white

The system is on.

### Illuminates green

Cruise control is active. Set speed is indicated in the Driver Information Centre.

Cruise control ⇨ 139.

## Adaptive cruise control

illuminates white or green.

illuminates in the Driver Information Centre.

### illuminates white

The system is on.

### illuminates green

Adaptive cruise control is active.

When Adaptive cruise control is on or active, with the set speed is indicated in the Driver Information Centre.

Adaptive cruise control ⇨ 143.

## Vehicle detected ahead

illuminates green or yellow.

### Illuminates green

A vehicle ahead is detected in the same lane.

### Illuminates yellow

The distance to a preceding moving vehicle gets too small or when approaching another vehicle too rapidly.

Adaptive cruise control ⇨ 143, Forward collision alert ⇨ 150.

## Speed limiter

illuminates white or green.

### Illuminates white

The system is on.

### Illuminates green

Speed limiter is active. Set speed is indicated near symbol.

Speed limiter ⇨ 141.

## Door open

illuminates red.

A door or the tailgate is open.

# Information displays

## Driver Information Centre

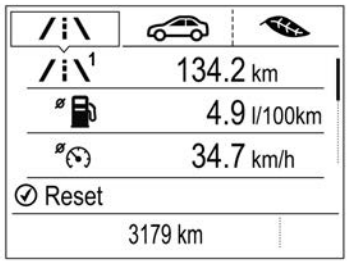
The Driver Information Centre is located in the instrument cluster.

Depending on the version and the instrument cluster, the Driver Information Centre is available as Midlevel display or Uplevel display.

Driver Information Centre indicates depending on the equipment:

- overall and trip odometer
- vehicle information
- trip/fuel information
- driving economy information
- vehicle and warning messages
- audio and infotainment information
- phone information
- navigation information
- vehicle settings

### Midlevel display




Main menus are:

- Trip/fuel information, displayed by , see description below.
- Vehicle information, displayed by , see description below.
- Eco information, displayed by , see description below.

Some of the displayed functions differ when the vehicle is being driven or at a standstill and some functions are only active when the vehicle is being driven.

### Selecting menus and functions

The menus and functions can be selected via the buttons on the turn signal lever.

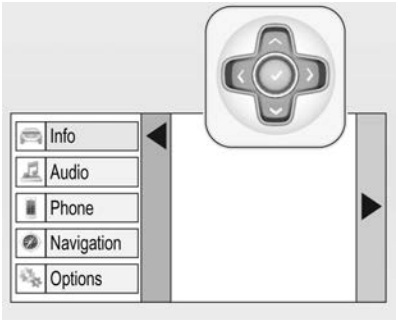
Press **MENU** to switch between the main menus or to return from a submenu to the next higher menu level.

Turn the adjuster wheel to select a submenu of the main menu or to set a numeric value.

Press **SET/CLR** to select and confirm a function.

Vehicle and service messages are popped up in the Driver Information Centre if required. Confirm messages by pressing **SET/CLR**. Vehicle messages ⇨ 96.

## Uplevel display




Main menus are:

- Trip/fuel information, displayed by **Info**, see description below.
- Audio information, displayed by **Audio**, see description below.
- Phone information, displayed by **Phone**, see description below.
- Navigation information, displayed by **Navigation**, see description below.
- Vehicle information, displayed by **Options**, see description below.

Some of the displayed functions differ when the vehicle is being driven or at a standstill and some functions are only active when the vehicle is being driven.

### Selecting menus and functions

The menus and functions can be selected via the buttons on the right side in the steering wheel.

- Press < to open main menu page.
- Select a main menu page with ∧ or ∨.
- Confirm a main menu page with ✔.

Once a main menu page is selected, press ∧ or ∨ to select subpages.

- Press > to open a next folder of the selected subpage.
- Press ∧ or ∨ to select functions or to set a numeric value, if required.
- Press ✔ to select and confirm a function.

Vehicle and service messages pop-up in the Driver Information Centre when required.

Confirm messages by pressing ✔.

Vehicle messages ⇨ 96.

## Trip/fuel information menu, /i\ or Info

The following list contains all possible Info Menu pages. Some may not be available for your particular vehicle. Depending on the display, some functions are symbolised.

Turn the adjuster wheel or press ∧ or ∨ to select a page:

- Trip odometer 1/2 or A/B
- Average fuel consumption
- Average speed
- Digital speed
- Fuel range
- Instantaneous fuel consumption
- Remaining oil life
- Following distance
- Timer

On Midlevel display the pages Remaining Oil Life and Following Distance are displayed in the Vehicle information menu, select 🚗.

### Trip odometer 1/2 or A/B

Trip odometer displays the current distance since a certain reset.

Trip odometer counts up to a distance of 9,999 km then restarts at 0.

To reset on Midlevel display, press **SET/CLR** for a few seconds.

To reset on Uplevel display, press > and confirm with ✔.

The information of trip odometer page 1/A and 2/B can be reset separately while the respective display is active.

### Average Fuel Consumption

Display of average consumption. The measurement can be reset at any time and starts with a default value.

To reset on Midlevel display, press **SET/CLR** for a few seconds, on Uplevel display, press > and confirm with ✔.

**Average speed**
Display of average speed. The measurement can be reset at any time.

To reset on Midlevel display, press **SET/CLR** for a few seconds, on Uplevel display, press > and confirm with ✔.

**Digital speed**
Digital display of the instantaneous speed.

**Fuel range**
Range is calculated from current fuel level and current consumption. The display shows average values.

After refuelling, the range is updated automatically after a brief delay.

When the level in the fuel tank is low, a message appears on the display and the control indicator ⛽ in the fuel gauge illuminates.

When the fuel tank must be refuelled immediately, a warning message appears and remains on the display. Additionally, the control indicator ⛽ in the fuel gauge flashes ⇨ 87.

**Instantaneous Fuel Consumption**
Display of the instantaneous consumption.

**Remaining Oil Life**
Indicates an estimate of the oil's useful life. The number in percentage means the remainder of current oil life ⇨ 82.

**Following Distance**
Displays the distance in seconds to a preceding moving vehicle ⇨ 156. If Adaptive cruise control is active this page shows the following distance setting instead.

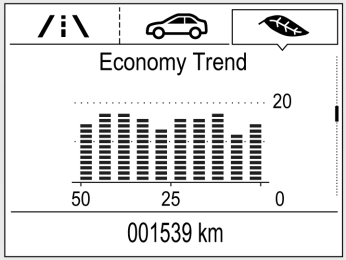
**Timer**
To start and stop, press ✔. To reset, press > and confirm reset.

## Eco information menu,

- Economy trend
- Eco index

On Uplevel display the pages Economy Trend and Eco index, are displayed in the Trip/fuel information menu, select **Info**.

**Economy Trend**




Displays the average consumption development over a distance of 50 km. Filled segments display the consumption in 5 km steps and shows the effect of topography or driving behaviour on fuel consumption.

**Economy index**
The current fuel consumption is indicated on an economic scale. For economical driving, adapt driving style to keep the filled segments within the Eco area. The more segments are filled, the higher the fuel consumption.

Simultaneously the average consumption value is indicated.

## Audio menu

Audio menu enables browsing for music, selecting from favourites or changing the audio source.

See Infotainment manual.

## Phone menu

Phone menu enables managing and performing of phone calls, scrolling through contacts or operating handsfree phoning.

See Infotainment manual.

## Navigation menu

Navigation menu enables route guidance.

See Infotainment manual.

## Vehicle information menu, or Options

The following list contains all possible Options Menu pages. Some may not be available for your particular vehicle. Depending on the display some functions are symbolised.

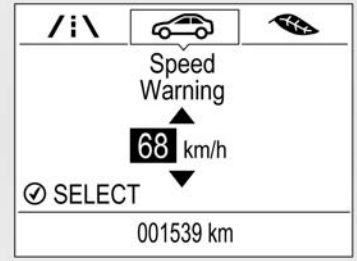
Turn the adjuster wheel or press ∧ or ∨ to select a page and follow the instructions given in the submenus:

- Info pages
- Speed warning
- Software information

### Info pages

Press > while Info pages is displayed. A list of all items in the Info Menu is displayed. Select the functions to be displayed in the Info page by pressing ✔. Selected pages have a ✔ in a checkbox. Non-viewable functions have a blank checkbox. See **Info Menu** above.

### Speed warning




The speed warning function alerts the driver when a set speed is exceeded.

To set the speed warning, press **SET/CLR** or > while the page is displayed. Turn the adjuster wheel or press ∧ or ∨ to select and adjust the value. Press **SET/CLR** or ✔ to set the speed. Once the speed is set, this feature can be turned off by pressing **SET/CLR** or ✔ while viewing this page. If the selected speed limit is exceeded, a pop-up warning is displayed with a chime.

**Software information**
Displays the open source software information.

### Valet mode

Some functions of the Driver Information Centre and the Info-Display can be limited for some drivers.

Activation or deactivation of valet mode can be set in the menu **Settings** in the vehicle personalisation menu.

For more information see Infotainment manual.

## Info display

The Info-Display is located in the instrument panel near the instrument cluster.

Depending on the vehicle configuration the vehicle has a

- **7" Colour-Info-Display** with touchscreen functionality

  or

- **8" Colour-Info-Display** with touchscreen functionality

The Info displays can indicate:

- time ⇨ 73
- outside temperature ⇨ 73
- date ⇨ 73
- Infotainment system, see description in the Infotainment manual
- indication of rear view camera ⇨ 165
- navigation, see description in the Infotainment manual
- system messages
- settings for vehicle personalisation ⇨ 97

### 7" Colour-Info-Display

**Selecting menus and settings**
Menus and settings are accessed via the display.

Press ⏻ to switch on the display.

Press ⌂ to display the homepage.

Touch required menu display icon with the finger.

Touch a respective icon to confirm a selection.

Touch ⮌ to return to the next higher menu level.

Press ⌂ to return to the homepage.

For further information, see Infotainment manual.

Vehicle personalisation ⇨ 97.

## 8" Colour-Info-Display

### Selecting menus and settings

There are three options to operate the display:

- via buttons below the display
- by touching the touchscreen with the finger
- via speech recognition

### Button operation

Press ⏻ to switch on the display.

Press ⌂ to display the homepage.

Turn **MENU** to select a menu display icon or a function or to scroll a submenu list.

Press **MENU** to confirm a selection.

Press **BACK** to exit a menu without changing a setting.

Press ⌂ to return to the homepage.

For further information, see Infotainment manual.

### Touchscreen operation

Display must be switched on by pressing ⏻. Press ⌂ to select homepage.

Touch required menu display icon or a function with the finger.

Scroll a longer submenu list with the finger up or down.

Confirm a required function or selection by touching.

Touch ⮌ on the display to exit a menu without changing a setting.

Press ⌂ to return to the homepage.

For further information, see Infotainment manual.

### Speech recognition

Description see Infotainment manual.

Vehicle personalisation ⇨ 97.

## Valet mode

Some functions of the Driver Information Centre and the Info-Display can be limited for some drivers.

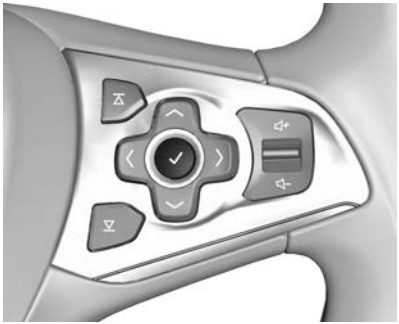
Activation or deactivation of valet mode can be set in the menu **Settings** in the vehicle personalisation menu.

For more information see Infotainment manual.

# Vehicle messages

Messages are indicated in the Driver Information Centre, in some cases together with a warning and signal chime.

On Midlevel display press **SET/CLR** on the turn signal lever to confirm a message.



On Uplevel display press ✔ on the steering wheel to confirm a message.

## Vehicle and service messages

The vehicle messages are displayed as text. Follow the instructions given in the messages.

## Messages in the Colour-Info-Display

Some important messages may appear additionally in the Colour-Info-Display. Some messages only pop-up for a few seconds.

# Warning chimes

## When starting the engine or whilst driving

Only one warning chime will sound at a time.

The warning chime regarding not fastened seat belts has priority over any other warning chime.

- If seat belt is not fastened.
- If a door or the tailgate is not fully closed when starting off.
- If a certain speed is exceeded with parking brake applied.
- If adaptive cruise control deactivates automatically.
- If approaching a vehicle ahead too closely.
- If a programmed speed or speed limit is exceeded.
- If a warning message appears in the Driver Information Centre.
- If the electronic key is not in the passenger compartment.

- If the parking assist detects an object.
- If an unintended lane change occurs.

### When the vehicle is parked and/or the driver's door is opened

- With exterior lights on.

### During an Autostop

- If the driver's door is opened.
- If any condition for an autostart is not fulfilled.

## Battery voltage

When the vehicle battery voltage is running low, a warning message will appear in the Driver Information Centre.

1. Switch off any electrical consumers which are not required for a safe drive, e.g. seat heating, heated rear window or other main consumers.
2. Charge the vehicle battery by driving continuously for a while or by using a charging device.

The warning message will disappear after the engine has been started twice without a voltage drop.

If the vehicle battery cannot be recharged, have the cause of the fault remedied by a Holden dealer.

# Vehicle personalisation

The vehicle's behaviour can be personalised by changing the settings in the Info-Display.

Some of the personal settings for different drivers can be memorised individually for each vehicle key. Memorised settings ⇨ 25.

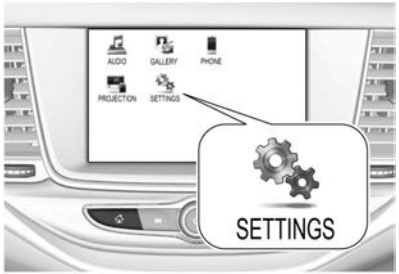
Depending on vehicle equipment and country-specific regulations some of the functions described below may not be available.

Some functions are only displayed or active when the engine is running.

### Personal settings

#### 7" Colour-Info-Display

Press ⌂, select **Settings** and then **Vehicle** on the touch-screen.




In the corresponding submenus the following settings can be changed:

**Vehicle**

- **Collision / Detection Systems**

  **Park Assist**: Activates or deactivates the ultrasonic parking assist. Activation is selectable with or without attached trailer coupling.

  **Forward Collision System**: Change the settings of forward collision alert.

- **Comfort and Convenience**

  **Chime Volume**: Changes the volume of warning chimes.

  **Personalization By Driver**: Activates or deactivates the personalisation function.

  **Rain Sense Wipers**: Activates or deactivates automatic wiping with rain sensor.

  **Auto Wipe in Reverse Gear**: Activates or deactivates automatic switching on of the rear window wiper when reverse gear is engaged.

- **Lighting**

  **Vehicle Locator Lights**: Activates or deactivates the entry lighting.

  **Exit Lighting**: Activates or deactivates and changes the duration of the path lighting function when leaving the vehicle. Regardless of this setting, the interior lights will illuminate for approximately 30 seconds.

- **Power Door Locks**

  **Unlocked Door Anti Lock Out**: Activates or deactivates the door locking function while a door is open.

  **Auto Door Lock**: Activates or deactivates the automatic door locking function after switching on ignition.

- **Remote Lock, Unlock, Start**

  **Remote Unlock Light Feedback**: Activates or deactivates the hazard warning flasher feedback whilst unlocking.

  **Remote Lock Feedback**: Changes what kind of feedback is given when locking the vehicle.

  **Remote Door Unlock**: Changes the configuration to unlock only the driver's door or the whole vehicle whilst unlocking.

  **Relock Remotely Unlocked Doors**: Activates or deactivates the automatic relock function after unlocking without opening the vehicle.

  **Remote Left in Vehicle Alert**: Activates or deactivates the warning chime when the electronic key remains in the vehicle.

  **Remote Window Operation**(Sportwagon):

Activates or deactivates the operation of power windows with remote control.

## Personal settings

### 8" Colour-Info-Display

Press ⌂ then select the **SETTINGS** icon.

In the corresponding submenus the following settings can be changed:

**Vehicle**

- **Climate and Air Quality**

  **Auto Fan Speed**: Modifies the level of the cabin airflow of the climate control in automatic mode.

  **Auto Demist**: Supports windscreen dehumidification by automatically selecting the necessary settings and automatic air conditioning mode.

  **Auto Rear Demist**: Automatically activates heated rear window.

- **Collision / Detection Systems**

  **Forward Collision System**: Set to **Off**, **Alert** or **Alert and Brake**.

  **Park Assist**: Activates or deactivates the ultrasonic parking assist. Activation is selectable with or without attached trailer coupling.

  **Go Notifier**: Activates or deactivates the reminder function of the adaptive cruise control.

  **Side Blind Zone Alert**: Activates or deactivates side blind zone alert.

- **Comfort and Convenience**

  **Chime Volume**: Changes the volume of warning chimes.

  **Personalisation by Driver**: Activates or deactivates the personalisation function.

  **Rainsense Wipers**: Activates or deactivates automatic wiping with rain sensor.

  **Auto Wipe in Reverse Gear**: Activates or deactivates automatic switching on of the rear window wiper when reverse gear is engaged.

- **Lighting**

  **Vehicle Locator Lights**: Activates or deactivates the entry lighting.

  **Exit Lighting**: Activates or deactivates and changes the duration of the path lighting function when leaving the vehicle. Regardless of this setting, the interior lights will illuminate for approximately 30 seconds.

  **Left or Right Hand Traffic**: Changes between lighting for left or right-hand traffic.

  **Adaptive Forward Lighting**: Changes the settings of the functions of the LED headlights.

- **Power Door Locks**

  **Unlocked Door Anti-Lockout**: Activates or deactivates the door locking function while a door is open.

  **Auto Door Lock**: Activates or deactivates the automatic door locking function after switching on ignition.

- **Remote Lock, Unlock, Start**

  **Remote Unlock Light Feedback**: Activates or deactivates the hazard warning flasher feedback whilst unlocking.

  **Remote Lock Feedback**: Changes what kind of feedback is given when locking the vehicle.

  **Remote Door Unlock**: Changes the configuration to unlock only the driver's door or the whole vehicle whilst unlocking.

  **Relock Remote Unlocked Doors**: Activates or deactivates the automatic relock function after unlocking without opening the vehicle.

  **Remote Window Operation**(Sportwagon): Activates or deactivates the operation of power windows with remote control.

  **Passive Door Unlock**: Changes the configuration to unlock only the driver's door or the whole vehicle whilst unlocking.

  **Passive Door Lock**: Activates or deactivates the passive locking function. This feature locks the vehicle automatically after several seconds if all doors have been closed and an electronic key has been removed from the vehicle.

  **Remote Left in Vehicle Alert**: Activates or deactivates the warning chime when the electronic key remains in the vehicle.

# Lighting

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# Exterior lighting

## Light switch

Turn light switch:

**AUTO** : automatic light control switches automatically between daytime running light and headlight
: sidelights
: headlights

When switching on the ignition, automatic light control is active.

Control indicator ⇨ 88.

### Tail lights

Tail lights are illuminated together with low/high beam and sidelights.

## Automatic light control

When the automatic light control function is switched on and the engine is running, the system switches between daytime running lights and headlights automatically depending on the external lighting conditions and information given by the rain sensor system.

Daytime running light ⇨ 102.

### Automatic headlight activation

During poor lighting conditions headlights are switched on.

Additionally, headlights are switched on if the windscreen wipers have been activated for several wipes.

LED headlights ⇨ 103

### Tunnel detection

When a tunnel is entered headlights are switched on immediately.

## High beam

Push lever to switch from low to high beam.

Pull lever to deactivate high beam.

High beam assist ⇨ 103.

## Headlight flash

To activate the headlight flash, pull lever.

Pulling lever deactivates high beam.

LED headlights ⇨ 103.

## Headlight range adjustment

### Manual headlight range adjustment

To adapt headlight range to the vehicle load to prevent dazzling: turn thumb wheel to required position.

0 : front seats occupied
1 : all seats occupied
2 : all seats occupied and load compartment laden
3 : driver's seat occupied and load compartment laden

Dynamic automatic headlight levelling ⇨ 103.

## Daytime running lights

Daytime running lights increases visibility of the vehicle during daylight.

They are switched on automatically during daytime when engine is running.

The system switches between daytime running lights and headlights automatically, depending on the lighting conditions. Automatic light control ⇨ 101.

## LED headlights

LED headlight system contains a variety of particular LEDs in each headlight which enables the control of different lighting programs.

Light distribution and intensity of light are variably triggered depending on the lighting conditions, road type and driving situation. The vehicle adapts the headlights automatically to the situation to enable optimal light performance for the driver.

Some functions of the LED headlights can be deactivated or activated in the vehicle personalisation menu. Select the relevant setting in **Settings**, **Vehicle** in the Info-Display. Vehicle personalisation ⇨ 97.

High beam assist can not be deactivated.

The following lighting functions are available with light switch in position **AUTO** or ≡D.

### Town light

Activated automatically at a speed up to approx. 55 km/h and in situations with exterior ambient light. The light is wide and symmetrical. A special beam pattern is designed to avoid glare for other road users.

### Country light

Activated automatically at a speed above approx. 55 km/h when driving in rural areas. The illumination of the current lane and the side of the road is improved. Oncoming and preceding vehicles are not dazzled.

### Curve light

Particular LEDs, based on steering angle and speed, are additionally triggered to improve lighting in curves. This function is activated at speeds from 40 km/h to 70 km/h and reacts to steering angle.

### Corner light

When turning off, depending on the steering angle and the turn signal light, particular LEDs are triggered which illuminate the direction of travel. It is activated up to a speed of 40 km/h.

## Reverse parking function

To assist driver's orientation when parking, both corner lights and reversing light illuminate when headlights are on and reverse gear is engaged. They remain illuminated for a short time after disengaging reverse gear or until driving faster than 7 km/h in a forward gear.

## High beam assist

This feature allows the high beam to function as main driving light at night.

The camera in the windscreen detects the lights of oncoming or preceding vehicles. Each LED on right or left side can be triggered or faded out particulary according to the traffic situation. This gives the best light distribution without glaring other road users. Once activated, high beam assist remains active and switches high beam on and off depending on surrounding conditions. The latest setting of the high beam assist will remain after the ignition is switched on again.

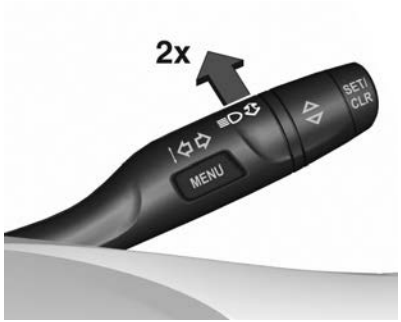
High beam assist includes a special motorway mode. When driving faster than 115 km/h on motorways, the light beam becomes smaller to avoid glaring of oncoming traffic. When following vehicles ahead or passing, mirror glaring for these vehicles is reduced.

**⚠Warning**

It is the responsibility of the driver to comply with local posted speed limits.

### Activation

**Indicator lever with or without MENU button**




Activate high beam assist by pushing the indicator lever twice. High beam is switched on automatically at a speed above 50 km/h. High beam is switched off at a speed below 35 km/h, but high beam assist remains active.

**Indicator lever with ≡D button**

Activate high beam assist by pressing ≡D once. High beam is switched on automatically at a speed above 50 km/h. High beam is switched off at a speed below 35 km/h, but high beam assist remains active.

The green control indicator ≡D illuminates continuously when the high beam assist is activated, the blue one ≡D illuminates when high beam is on.

Control indicator ≡D ⇨ 88, ≡D ⇨ 88.

Pressing indicator lever once switches on manual high beam without high beam assist.

High beam assist switches automatically to low beam when:

- Driving in urban areas.
- Reverse parking function is active.
- Rear fog lights are switched on.

If there are no restrictions detected, the system switches back to high beam.

**Deactivation**

**Indicator lever with or without MENU button**

If high beam assist is active and high beam is on, pull indicator lever once to deactivate high beam assist.

If high beam assist is active and high beam is off, push indicator lever twice to deactivate high beam assist.

Pushing the indicator lever to activate manual high beam will also deactivate high beam assist.

**Indicator lever with ≡D button**

If high beam assist is active and high beam is on, press ≡D once or pull indicator lever once to deactivate high beam assist.

If high beam assist is active and high beam is off, press ≡D once to deactivate high beam assist.

Pushing the indicator lever to activate manual high beam will also deactivate high beam assist.

**Headlight flash in conjunction with high beam assist**

Headlight flash by pulling indicator lever once will not deactivate high beam assist when high beam is off.

Headlight flash by pulling indicator lever once deactivates high beam assist when high beam is on.

## Dynamic automatic headlight levelling

To prevent oncoming traffic from being dazzled, headlight levelling is automatically adjusted based on inclination information measured by front and rear axle, acceleration or deceleration and vehicle speed.

### Fault in LED headlight system

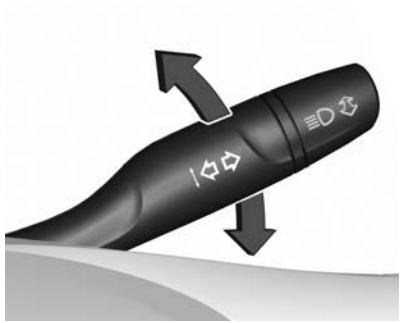
When the system detects a failure in the LED headlight system, it selects a preset position to avoid dazzling of oncoming traffic. A warning is displayed in the Driver Information Centre.

## Hazard warning flashers

Operated by pressing ⚠.

In the event of an accident with airbag deployment, the hazard warning flashers are activated automatically.

## Turn and lane-change signals



lever up : left turn signal
lever down : right turn signal

If the lever is moved past the resistance point, the turn signal is switched on constantly. When the steering wheel moves back, the turn signal is automatically deactivated.

For three flashes, e.g. when changing lanes, press the lever until resistance is felt and then release.

With a trailer connected, turn signal flashes six times and tone frequency changes when pressing the lever until resistance is felt and then releasing.

Move the lever to the resistance point and hold for longer indication.

Switch the turn signal off manually by moving the lever to its original position.

## Rear fog light

Operated by pressing ⧧.

Light switch in position **AUTO**: switching on rear fog light will switch headlights on automatically.

Light switch in position ⫐: rear fog light can only be switched on with front fog lights.

The vehicle rear fog light is deactivated when towing a trailer or a plug is connected with the socket, e. g. when a bicycle carrier is used.

## Reversing lights

The reversing light comes on when the ignition is on and reverse gear is selected.

## Misted light covers

The inside of the light housing may mist up briefly in poor, wet and cold weather conditions, in heavy rain or after washing. The mist disappears quickly by itself; to help switch on the headlights.

# Interior lighting

## Instrument panel illumination control

Brightness of the following lights can be adjusted in position **AUTO** when the light sensor detects night conditions, or in position ⫐ or ≡D.

- instrument panel illumination
- Info-Display
- illuminated switches and operation elements

Turn thumb wheel and hold until the desired brightness is obtained.

## Interior lights

During entry and exit of the vehicle, the front and rear courtesy lights automatically switch on and then off after a delay.

**Note**
In the event of an accident with airbag deployment the courtesy lights are turned on automatically.

### Front courtesy light

Operate rocker switch:

: automatic switching on and off
press : on
press : off

### Rear courtesy lights

Illuminate in conjunction with the front courtesy light depending on rocker switch position.

## Reading lights

Operated by pressing and in the courtesy lights.

## Sunvisor lights

Illuminates when the cover is opened.

# Lighting features

## Centre console lighting

Spotlight incorporated in the interior lighting comes on when headlights are switched on.

## Entry lighting

### Welcome lighting

The following lights are switched on for a short time by unlocking the vehicle with the radio remote control:

- headlights
- tail lights
- number plate lights
- instrument panel light
- interior lights

Some functions are only operable when it is dark outside to facilitate locating the vehicle.

The lighting switches off immediately when the ignition is switched on. Starting off ⇨ 16.

This function can be activated or deactivated in the vehicle personalisation.

Select the relevant setting in **Settings**, ➧ **Vehicle** in the Info-Display.

Info-Display ⇨ 94.

Vehicle personalisation ⇨ 97.

The settings can be saved for the key being used ⇨ 25.

The following lights will additionally switch on when the driver's door is opened:

- illumination of some switches
- Driver Information Centre
- door pocket lights

## Exit lighting

The following lights switch on if the key is removed from the ignition switch:

- interior lights
- instrument panel light
- puddle lights

They will switch off automatically after a delay. This function works only in the dark. Theatre lighting is activated if the driver's door is opened during this time.

### Path lighting

Headlights, tail lights and number plate lights illuminate the surrounding area for an adjustable time after leaving the vehicle.

#### Activating

1. Switch off the ignition.
2. Remove the ignition key.
3. Open the driver's door.
4. Close the driver's door.

If the driver's door is not closed, the path lights switch off after two minutes or if the turn signal lever is pulled a second time.

Activation, deactivation and the duration of the path lighting function can be changed in the Vehicle Settings menu (Exit Lighting) in **Settings**, ➧ **Vehicle** in the Info-Display. Info-Display. ⇨ 94.

Vehicle personalisation ⇨ 97.

The settings can be saved for the key being used ⇨ 25.

## Battery discharge protection

### Vehicle battery state of charge function

The function guarantees longest vehicle battery life via a generator with controllable power output and optimised power distribution.

To prevent discharge of the vehicle battery when driving, the following systems are reduced automatically in two stages and finally switched off:

- auxiliary heater
- heated rear window and mirrors
- heated seats
- fan

In the second stage, a message which confirms the activation of the vehicle battery discharge protection will be displayed in the Driver Information Centre.

## Switching off electric lights

To prevent discharge of the vehicle battery when the ignition is switched off, some interior lights are switched off automatically after some time.

# Climate control

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Electronic climate control system ..... 113
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# Climate control systems

## Air conditioning system

Controls for:

- temperature
- air distribution , and
- fan speed
- demisting and defrosting

**A/C** : cooling
: air recirculation
: heated rear window

Heated rear window ⇨ 43, Heated exterior mirrors ⇨ 40, .

### Cooling A/C

Press **A/C** to switch on cooling. The LED in the button illuminates to indicate activation. Cooling is only functional when the engine is running and climate control fan is switched on.

Press **A/C** again to switch off cooling.

The air conditioning system cools and dehumidifies (dries) as soon as the outside temperature is slightly above the freezing point. Therefore condensation may form and drip from under the vehicle.

If no cooling or drying is required, switch off the cooling system for fuel saving reasons.

Activated cooling may inhibit Autostops. Stop-start system ⇨ 125.

## Air recirculation system

Press to activate air recirculation mode. The LED in the button illuminates to indicate activation.

Press again to deactivate air recirculation mode.

**⚠Warning**

The exchange of fresh air is reduced in air recirculation mode. In operation without cooling the air humidity increases, so the windows may mist up from inside. The quality of the passenger compartment air deteriorates, which may cause the vehicle occupants to feel drowsy.

In warm and very humid ambient air conditions, the windscreen may mist up from outside when cold air is directed towards it. If windscreen mists up from outside, activate windscreen wiper and deactivate .

## Maximum cooling

Briefly open the windows so that hot air can disperse quickly.

- Switch on cooling **A/C**.
- Air circulation system on.
- Press air distribution switch .
- Set temperature control to coldest level.
- Set fan speed to highest level.
- Open all vents.

## Demisting and defrosting the windows

- Press : the air distribution is directed towards the windscreen.
- Set fan speed to highest level.
- Set temperature control to warmest level.

- Switch on heated rear window.
- Open side air vents as required and direct them towards the door windows.

**Note**

If is pressed while the engine is running, an Autostop will be inhibited until is pressed again.

If is pressed with the fan switched on and the engine running, an Autostop will be inhibited until is pressed again or until the fan is switched off.

If is pressed while the engine is in an Autostop, the engine will restart automatically.

If is pressed with the fan switched on while the engine is in an Autostop, the engine will restart automatically.

Stop-start system ⇨ 125.

## Electronic climate control system

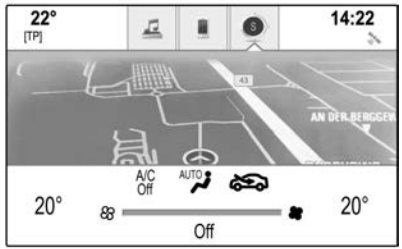
The dual zone climate control allows different temperatures for driver side and front passenger side.

In automatic mode, temperature, fan speed and air distribution are regulated automatically.

Controls for:

- temperature on driver side
- air distribution
- fan speed
- temperature on front passenger side
- system on or off **ON/OFF**
- cooling **A/C**
- automatic mode **AUTO**
- manual air recirculation
- demisting and defrosting
- dual zone temperature synchronisation **SYNC**

Heated rear window ⇨ 43, Heated exterior mirrors ⇨ 40, Heated seats ⇨ 49, Heated steering wheel ⇨ 70.




Each change of settings is shown in the Info-Display for a few seconds.

The electronic climate control system is only fully operational when the engine is running.

## Automatic mode AUTO

Basic setting for maximum comfort:

- Press **AUTO**, the air distribution and fan speed are regulated automatically.
- Open all air vents to allow optimised air distribution in automatic mode.
- Press **A/C** to switch on optimal cooling and demisting. The LED in the button illuminates to indicate activation.
- Set the preselected temperatures for driver and front passenger using the left and right rotary knob. Recommended temperature is 22 °C.

The fan speed regulation in automatic mode can be changed in the Settings menu.

Vehicle personalisation ⇨ 97.

## Temperature preselection

Set temperatures to the desired value. The knob on the passenger side changes the temperature for the passenger side.The knob on the driver's side changes the temperature for the driver's side or for both sides depending on activation of synchronisation **SYNC**.

The selected temperature is indicated in the display of the knob.

If the minimum temperature **Lo** is set, the climate control system runs at maximum cooling, if cooling **A/C** is switched on.

If the maximum temperature **Hi** is set, the climate control system runs at maximum heating.

**Note**
If **A/C** is switched on, reducing the set cabin temperature can cause the engine to restart from an Autostop or inhibit an Autostop.

Stop-start system ⇨ 125.

## Dual zone temperature synchronisation SYNC

Press **SYNC** to link passenger side temperature setting to the driver side. The LED in the button illuminates to indicate activation.

When passenger side settings will be adjusted, synchronisation is deactivated and the LED extinguishes.

## Demisting and defrosting the windows

- Press . The LED in the button illuminates to indicate activation.
- Temperature and air distribution are set automatically and the fan runs at high speed.
- Switch on heated rear window .
- To return to previous mode: press , to return to automatic mode: press **AUTO**.

Settings of automatic rear window heating can be changed in the Settings menu in the Info-Display. Vehicle personalisation ⇨ 97.

**Note**

If is pressed while the engine is running, an Autostop will be inhibited until is pressed again.

If is pressed with the fan switched on and the engine running, an Autostop will be inhibited until is pressed again or until the fan is switched off.

If is pressed while the engine is in an Autostop, the engine will restart automatically.

If is pressed with the fan switched on while the engine is in an Autostop, the engine will restart automatically.

Stop-start system ⇨ 125.

## System on or off ON/OFF

Cooling, fan and automatic mode can be switched off by pressing **ON/OFF**. When the system is deactivated, the LED in the button **ON/OFF** is off.

Activation by pressing **ON/OFF**, **A/C** or **AUTO**. The LED in the button illuminates to indicate activation.

## Manual settings

Climate control system settings can be changed by activating the buttons and rotary knobs as described below. Changing a setting will deactivate the automatic mode.

### Fan speed

Press left button to decrease or right button to increase fan speed. The fan speed is indicated by the number of LEDs in the button.

Pressing the left button for longer: fan and cooling are switched off.

Pressing the right button for longer: the fan runs at maximum speed.

To return to automatic mode: Press **AUTO**.

### Air distribution

Press the appropriate button for the desired adjustment. The LED in the button illuminates to indicate activation.

- : to windscreen and front door windows (air conditioning is activated in the background to help preventing windows from fogging)
- : to head area via adjustable air vents
- : to foot well and windscreen

All combinations are possible.

Return to automatic air distribution: press **AUTO**.

### Cooling A/C

Press **A/C** to switch on cooling. The LED in the button illuminates to indicate activation. Cooling is only functional when the engine is running and climate control fan is switched on.

Press **A/C** again to switch off cooling.

The air conditioning system cools and dehumidifies (dries) when outside temperature is above a specific level. Therefore condensation may form and drip from under the vehicle.

If no cooling or drying is required, switch off the cooling system for fuel saving reasons.

When the cooling system is switched off, no engine restart will be requested by the climate control system during an Autostop. Exception: defrost system is activated and outside temperature above 0 °C requests a restart.

Stop-start system ⇨ 125.

The display will indicate **A/C ON** when cooling is activated or **A/C OFF** when the cooling is deactivated.

### Manual air recirculation

Press to activate the air recirculation mode. The LED in the button illuminates to indicate activation.

Press again to deactivate recirculation mode.

**⚠Warning**

The exchange of fresh air is reduced in air recirculation mode. In operation without cooling the air humidity increases, so the windows may mist up from inside. The quality of the passenger compartment air deteriorates, which may cause the vehicle occupants to feel drowsy.

In warm and very humid ambient air conditions, the windscreen may mist up from outside, when cold air is directed towards it. If windscreen mists up from outside, activate windscreen wiper and deactivate .

### Automatic air recirculation

An air humidity sensor switches automatically to external air if internal air humidity is too high.

### Basic settings

Some settings can be changed in the Settings menu in the Info-Display. Vehicle personalisation ⇨ 97.

# Air vents

## Adjustable air vents

At least one air vent must be open while cooling is on.

To open the vent, turn the adjuster wheel towards the bigger ▮ symbol. Adjust the air amount at the vent outlet by turning the adjuster wheel.

Direct the flow of air by tilting and swivelling the slats.

To close the vent, turn the adjuster wheel towards the smaller ▮ symbol.

**⚠Warning**

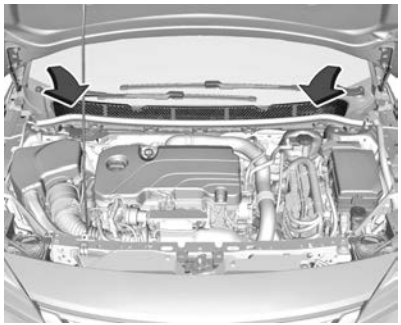
Do not attach any objects to the slats of the air vents. Risk of damage and injury in case of an accident.

## Fixed air vents

Additional air vents are located beneath the windscreen and door windows and in the foot wells.

# Maintenance

## Air intake



The air intake in front of the windscreen in the engine compartment must be kept clear to allow air intake. Remove any leaves, dirt or snow.

## Pollen filter

The pollen filter cleans dust, soot, pollen and spores from the air entering the vehicle through the air intake.

## Air conditioning regular operation

In order to ensure continuously efficient performance, cooling must be operated for a few minutes once a month, irrespective of the weather and time of year. Operation with cooling is not possible when the outside temperature is too low.

**Note**
Refrigerant R-134a contains fluorinated greenhouse gases.

# Driving and operating

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# Driving hints

## Control of the vehicle

### Never coast with engine not running

Many systems will not function in this situation (e.g. brake servo unit, power steering). Driving in this manner is a danger to yourself and others.

All systems function during an Autostop.

Stop-start system ⇨ 125.

### Idle boost

If charging of the vehicle battery is required due to battery condition, the power output of the generator must be increased. This will be achieved by an idle boost which may be audible.

A message appears in the Driver Information Centre.

### Pedals

To ensure the pedal travel is uninhibited, there must be no mats in the area of the pedals.

Use only floor mats, which fit properly and are fixed by the retainers on the driver side.

## Steering

If power steering assist is lost because the engine stops or due to a system malfunction, the vehicle can be steered but may require increased effort.

## Ground clearance

Due to the reduced ground clearance, the vehicle can be damaged depending on the vehicle loading and appearance of the ground. Take special care and drive slowly on steep driveways, entry and exit of parking garages, high kerbs and uneven surfaces. If possible, drive diagonally with one wheel after another when running over kerbs or uneven surfaces.

# Starting and operating

## New vehicle running-in

Do not brake unnecessarily hard for the first few journeys.

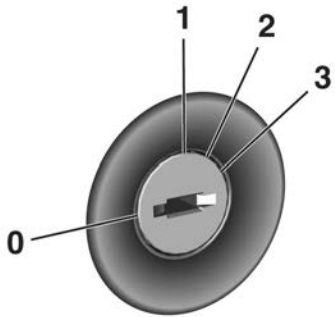
During the first drive, smoke may occur because of wax and oil evaporating off the exhaust system. Park the vehicle in the open for a while after the first drive and avoid inhaling the fumes.

During the running-in period, fuel and engine oil consumption may be higher.

Autostop may be inhibited to allow for charging of the vehicle battery.

## Ignition switch positions

Turn key:




0 : ignition off: Some functions remain active until key is removed or driver's door is opened, provided the ignition was on previously

1 : accessory power mode: Steering wheel lock released, some electrical functions are operable, ignition is off

2 : ignition on power mode: Ignition is on. Control indicators illuminate and most electrical functions are operable

3 : engine start: Release key after starting procedure begins

### Steering wheel lock

Remove key from ignition switch and turn steering wheel until it engages.

**⚠Danger**

Never remove the key from ignition switch during driving as this will cause steering wheel lock.

## Power button

Electronic key must be inside the vehicle.

**Accessory power mode**
Press **Engine Start/Stop** once without operating clutch or brake pedal. The yellow LED in the button illuminates. Steering wheel lock is released and some electrical functions are operable, ignition is off.

**Ignition on power mode**
Press and hold **Engine Start/Stop** for six seconds without operating clutch or brake pedal. The green LED in the button illuminates. Control indicators illuminate and most electrical functions are operable.

**Engine start**
Depress and hold clutch pedal (manual transmission) or brake pedal (automatic transmission) and press **Engine Start/Stop** once more. Release button after starting procedure begins.

**Ignition off**
Press **Engine Start/Stop** briefly in each mode or when engine is running and vehicle is stationary. Some functions remain active until driver's door is opened, provided the ignition was on previously.

**Emergency shut off during driving**
Press **Engine Start/Stop** for longer than two seconds or press twice briefly within five seconds ⇨ 123.

### Steering wheel lock

The steering wheel lock activates automatically when:

- The vehicle is stationary.
- The ignition has been switched off.
- The driver's door is opened.

To release steering wheel lock, open and close driver's door and switch on accessory mode or start the engine directly.

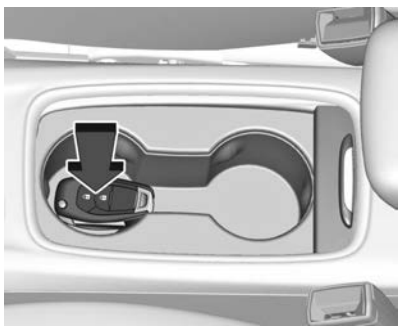
**⚠Warning**

If the vehicle battery is discharged, the vehicle must not be towed, tow-started or jump-started as the steering wheel lock cannot be disengaged.

### Operation on vehicles with electronic key system in case of failure

If either the electronic key fails or the battery of the electronic key is weak, the Driver Information Centre may display **No Remote Detected** or **Replace Battery in Remote Key** when you try to start the vehicle.

Place the electronic key solely centred in the transmitter area in longitudinal direction flat with buttons upside as shown in the illustration.



Other objects, e.g. other keys, transponder, tags, coins etc. must be removed from the centre console.

Depress the clutch pedal (manual transmission) or the brake pedal (automatic transmission) and press **Engine Start/Stop**.

To switch off the engine, press **Engine Start/Stop** again. Remove the electronic key from the centre console.

This option is intended for emergencies only. Replace the electronic key battery as soon as possible ⇨ 23.

For unlocking or locking the doors, see fault in radio remote control unit or electronic key system ⇨ 25.

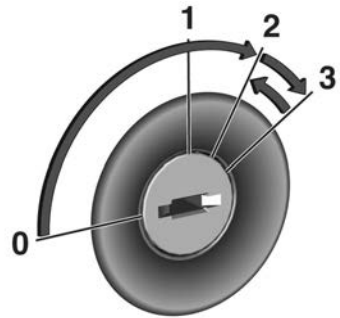
## Retained power off

The following electronic systems can work until the driver's door is opened or for ten minutes after the ignition is switched off:

- power windows
- sunroof
- power outlets

## Starting the engine

### Vehicles with ignition switch




Turn key to position **1** to release the steering wheel lock.

Manual transmission: operate clutch and brake pedal.

Automatic transmission: operate brake pedal and move selector lever to **P** or **N**.

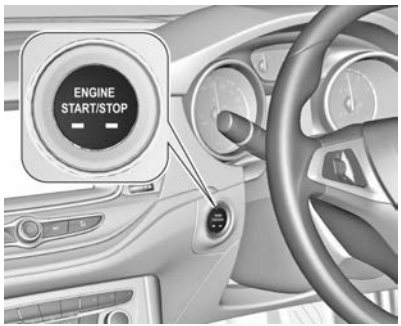
Do not operate accelerator pedal.

Turn key briefly to position **3** and release: an automatic procedure operates the starter with a short delay until the engine is running, see Automatic Starter Control.

Manual transmission: during an Autostop, the engine can be started by depressing the clutch pedal ⇨ 125.

Automatic transmission: during an Autostop, the engine can be started by releasing the brake pedal ⇨ 125.

### Vehicles with power button




Manual transmission: depress and hold clutch and brake pedal.

Automatic transmission: depress and hold brake pedal and move selector lever to **P** or **N**.

Do not operate accelerator pedal.

Press and release **Engine Start/Stop**: an automatic procedure operates the starter with a short delay until the engine is running, see automatic starter control.

Before restarting or to switch off the engine when vehicle is stationary, press **Engine Start/Stop** once more briefly.

Manual transmission: during an Autostop, the engine can be started by depressing the clutch pedal ⇨ 125.

Automatic transmission: during an Autostop, the engine can be started by releasing the brake pedal ⇨ 125.

### Emergency shut off during driving

If the engine needs to be switched off during driving in case of emergency, press **Engine Start/Stop** for longer than two seconds or press twice briefly within five seconds.

**⚠ Danger**

Switching off the engine during driving may cause loss of power support for brake and steering systems. Assistance systems and airbag systems are disabled. Lighting and brake lights will extinguish. Therefore power down the engine and ignition while driving only when required in case of emergency.

### Starting the vehicle at low temperatures

Starting the engine without additional heaters is possible down to -30 °C for petrol engines. Required is an engine oil with the correct viscosity, the correct fuel, performed services and a sufficiently charged vehicle battery. With temperatures below -30 °C the automatic transmission requires a warming phase of approx.
five minutes. The selector lever must be in position **P**.

### Automatic starter control

This function controls the engine starting procedure. The driver does not need to hold the key in position **3** or to hold **Engine Start/Stop** pressed. Once applied, the system will go on starting automatically until the engine is running. Because of the checking procedure, the engine starts running after a short delay.

Possible reasons for a non-starting engine:

- Clutch pedal not operated (manual transmission).
- Brake pedal not operated or selector lever not in **P** or **N** (automatic transmission).
- Timeout occurred.

### Turbo engine warm-up

Upon start-up, engine available torque may be limited for a short time, especially when the engine temperature is cold. The limitation is to allow the lubrication system to fully protect the engine.

## Overrun cut-off

The fuel supply is automatically cut off during overrun, i.e. when the vehicle is driven with a gear engaged but accelerator pedal is released.

Depending on driving conditions, the overrun cut-off may be deactivated.

## Stop-start system

The stop-start system helps to save fuel and to reduce the exhaust emissions. When conditions allow, it switches off the engine as soon as the vehicle is at a low speed or at a standstill, e.g. at a traffic light or in a traffic jam.

### Activation

The stop-start system is available as soon as the engine is started, the vehicle starts-off and the conditions as stated below in this section are fulfilled.

### Deactivation

Deactivate the stop-start system manually by pressing Ⓐ **OFF**. The deactivation is indicated when the LED in the button illuminates.

### Autostop

All petrol engines except 1.4L with manual transmission have Autostop.

An Autostop can be activated at a standstill or at a low speed up to 5 km/h.

**Vehicles with manual transmission**
Activate an Autostop as follows:

- Depress the clutch pedal.
- Set the lever in neutral.
- Release the clutch pedal.

The engine will be switched off while the ignition stays on.

**Vehicles with automatic transmission**
If the vehicle is at a standstill with depressed brake pedal, Autostop is activated automatically.

The engine will be switched off while the ignition stays on.

**Indication**

An Autostop is indicated by the needle at the **AUTOSTOP** position in the tachometer.

After restart, the idle speed is indicated.

During an Autostop, the heating and brake performance will be maintained.

**Conditions for an Autostop**
The stop-start system checks if each of the following conditions is fulfilled.

- The stop-start system is not manually deactivated.
- The bonnet is fully closed.
- The driver's door is closed or the driver's seat belt is fastened.
- The vehicle battery is sufficiently charged and in good condition.
- The engine is warmed up.
- The engine coolant temperature is not too high.
- The engine exhaust temperature is not too high, e.g. after driving with high engine load.
- The ambient temperature is above -5 °C.
- The climate control system allows an Autostop.
- The brake vacuum is sufficient.
- The vehicle was driven at least at walking speed since the last Autostop.

Otherwise an Autostop will be inhibited.

The stop-start system will be disabled on inclines of 15% or more.

If significant steering input is applied (1.6L with automatic transmission only) an Autostop may be inhibited.

Certain settings of the climate control system may inhibit an Autostop. See Climate control chapter for more details ⇨ 111.

Immediately after motorway driving an Autostop may be inhibited.

New vehicle running-in ⇨ 121.

**Vehicle battery discharge protection**
To ensure reliable engine restarts, several vehicle battery discharge protection features are implemented as part of the stop-start system.

**Power saving measures**
During an Autostop, several electrical features such as auxiliary electric heater or rear window heating are disabled or switched to a power saving mode. The fan speed of the climate control system is reduced to save power.

### Restart of the engine by the driver

A restart for all engines is possible at a standstill or at a low speed up to 7 km/h.

**Vehicles with manual transmission**
**Late restart:** Depress the brake and clutch pedal, select first gear. Release the brake pedal to restart.

**Conventional restart** (on an incline): Depress the clutch pedal to restart the engine.

**Vehicles with automatic transmission**
Release the brake pedal or move selector lever out of **D** into **N** or **P** to restart the engine.

### Automatic restart of the engine by the stop-start system

On vehicles with manual transmission which are in an Autostop, the selector lever must be in neutral to enable an automatic restart.

On vehicles with automatic transmission, the selector lever must be in **D** to enable an automatic restart.

If one of the following conditions occurs during an Autostop, the engine will be restarted automatically by the stop-start system:

- The stop-start system is manually deactivated.
- The bonnet is opened.
- The driver's seat belt is unfastened and the driver's door is opened.
- The engine temperature is too low.
- The charging level of the vehicle battery is below a defined level.
- The brake vacuum is not sufficient.
- The vehicle is driven at least at walking speed.
- The climate control system requests an engine start.
- The air conditioning is manually switched on.
- A significant steering input or indicator is applied (1.6L with automatic tranmission).

If the bonnet is not fully closed, a warning message is displayed in the Driver Information Centre.

If an electrical accessory, e.g. a portable CD player, is connected to the power outlet, a brief power drop during the restart might be noticeable.

## Parking

**⚠ Warning**

- Do not park the vehicle on an easily ignitable surface. The high temperature of the exhaust system could ignite the surface.
- Always apply the parking brake. Activate the manual parking brake without pressing

the release button. Apply as firmly as possible on a downhill slope or uphill slope. Depress brake pedal at the same time to reduce operating force.

For vehicles with electric parking brake, pull switch Ⓟ for a minimum of one second until control indicator Ⓟ illuminates constantly and electric parking brake is applied ⇨ 85.

- Switch off the engine.
- If the vehicle is on a level surface or uphill slope, engage first gear or set the selector lever to position **P** before removing the ignition key or switching off ignition on vehicles with power button. On an uphill slope, turn the front wheels away from the kerb.

  If the vehicle is on a downhill slope, engage reverse gear or set the selector lever to position **P** before removing the ignition key or switching off ignition on vehicles with power button. Turn the front wheels towards the kerb.
- Close the windows and the sunroof.
- Remove the ignition key from the ignition switch or switch off ignition on vehicles with power button. Turn the steering wheel until the steering wheel lock is felt to engage.

  For vehicles with automatic transmission, the key can only be removed when the selector lever is in position **P**.
- Lock the vehicle.
- Activate the anti-theft alarm system.
- The engine cooling fans may run after the engine has been switched off ⇨ 178.

**Caution**

After running at high engine speeds or with high engine loads, operate the engine briefly at a low load or run in neutral for approx. 30 seconds before switching off, in order to protect the turbocharger.

**Note**

In the event of an accident with airbag deployment, the engine is switched off automatically if the vehicle comes to a standstill within a certain time.

## Emergency operation under extreme cold temperatures

**⚠Warning**

This emergency operation may only be carried out in case of extremely cold temperatures and if the vehicle is parked on a level surface.

In countries with extreme cold temperatures it may be necessary to park the vehicle without applied parking brake.

This is an emergency operation to avoid freezing of the parking brake.

# Engine exhaust

**⚠ Danger**

Engine exhaust gases contain poisonous carbon monoxide, which is colourless and odourless and could be fatal if inhaled.

If exhaust gases enter the interior of the vehicle, open the windows. Have the cause of the fault rectified by your Holden Dealer.

Avoid driving with an open boot lid, otherwise exhaust gases could enter the vehicle.

## Catalytic converter

The catalytic converter reduces the amount of harmful substances in the exhaust gases.

**Caution**

Fuel specifications other than those listed on pages ⇨ 169, ⇨ 223 could damage the catalytic converter or electronic components.

Unburnt petrol will overheat and damage the catalytic converter. Therefore avoid excessive use of the starter, running the fuel tank dry and starting the engine by pushing or towing.

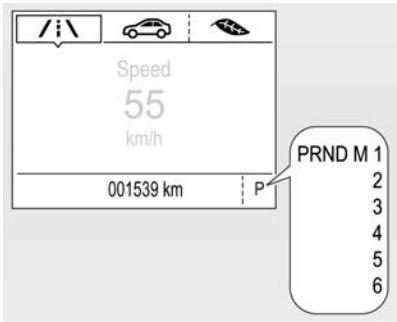
In the event of misfiring, uneven engine running, a reduction in engine performance or other unusual problems, have the cause of the fault rectified by a Holden dealer as soon as possible. In an emergency, driving can be continued for a short period, keeping vehicle speed and engine speed low.

# Automatic transmission

The automatic transmission permits automatic gearshifting (automatic mode) or manual gearshifting (manual mode).

Manual shifting is possible in manual mode by tapping the selector lever to **+** or **-** ⇨ 131.

## Transmission display




The mode or selected gear is shown in the Driver Information Centre.

In automatic mode, the driving programme is indicated by **D**.

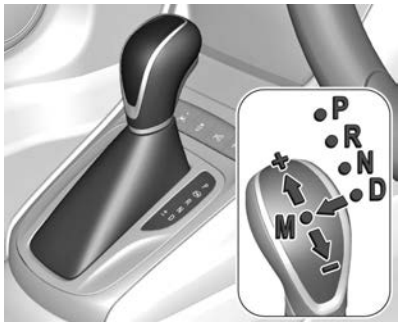
In manual mode, **M** and the number of the selected gear is indicated.

**R** indicates reverse gear.

**N** indicates neutral position.

**P** indicates park position.

## Selector lever




**P** : park position, wheels are locked, engage only when the vehicle is stationary and the parking brake is applied
**R** : reverse gear, engage only when the vehicle is stationary
**N** : neutral
**D** : automatic mode
**M** : manual mode
**+** : upshift in manual mode
**–** : downshift in manual mode

The selector lever is locked in **P** and can only be moved when the ignition is on, the release button on the selector lever is pushed and the brake pedal is applied.

Without brake pedal applied, control indicator ⊘ illuminates.

If the selector lever is not in **P** when the ignition is switched off, control indicator ⊘ flashes.

To engage **P** or **R**, press the release button.

The engine can only be started with the lever in position **P** or **N**. When position **N** is selected, press the brake pedal or apply the parking brake before starting.

Do not accelerate while engaging a gear. Never depress the accelerator pedal and brake pedal at the same time.

When a gear is engaged, the vehicle slowly begins to creep when the brake is released.

### Engine braking

To utilise the engine braking effect, select a lower gear in good time when driving downhill, see manual mode.

### Rocking the vehicle

Rocking the vehicle is only permissible if the vehicle is stuck in sand, mud or snow. Move the selector lever between **D** and **R** in a repeat pattern. Do not race the engine and avoid sudden acceleration.

### Parking

Apply the parking brake and engage **P**.

The ignition key can only be removed when the selector lever is in position **P**.

## Manual mode

Move selector lever out of position **D** towards the left in position **M**.

Tap selector lever upwards **+** to shift to a higher gear.

Tap the selector lever downwards **-** to shift to a lower gear.

If a higher gear is selected when vehicle speed is too low, or a lower gear when vehicle speed is too high, the shift is not executed. This can cause a message in the Driver Information Centre.

In manual mode, no automatic shifting to a higher gear takes place at high engine revolutions.

### Gear shift indication

The symbol ▲ with a number beside it is indicated when gearshifting is recommended for fuel saving reasons.

Shift indication appears only in manual mode.

## Electronic driving programmes

- Following a cold start, the operating temperature programme increases engine speed to quickly bring the catalytic converter to the required temperature.
- Special programmes automatically adapt the shifting points when driving up inclines or down hills.
- In snowy or icy conditions or on other slippery surfaces, the electronic transmission control enables the driver to select manually first, second or third gear for starting off.

### Kickdown

Pressing down the accelerator pedal beyond the kickdown detent will lead to maximum acceleration independent of selected driving mode. The transmission shifts to a lower gear depending on engine speed.

## Fault

In the event of a fault a message is displayed in the Driver Information Centre. Vehicle messages ⇨ 96.

Electronic transmission control enables only fourth gear. The transmission no longer shifts automatically.

Have the cause of the fault remedied by a Holden dealer.

## Interruption of power supply

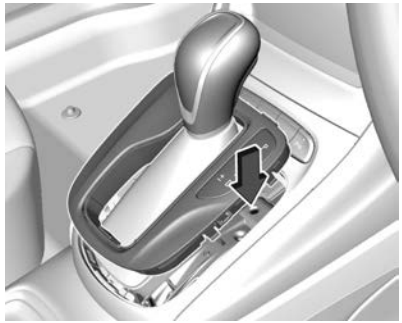
In the event of an interruption of power supply, the selector lever cannot be moved out of the **P** position. The ignition key cannot be removed from the ignition switch.

If the vehicle battery is discharged, start the vehicle using jump leads ⇨ 211.

If the vehicle battery is not the cause of the fault, release the selector lever.

1. Apply the parking brake.

2. Release the selector lever trim from the centre console. Grasp into the leather boot below the selector lever and pull the trim upwards. Rotate trim to the left.



3. Insert a small screw driver, or similar, into the opening near the selector lever. Push the screw driver down and move the selector lever out of **P**. If this position is engaged again, the selector lever will be locked again. Have the cause of the power supply interruption remedied by a Holden dealer.
4. Mount the selector lever trim onto the centre console and refit.

# Manual transmission

To engage reverse, depress the clutch pedal and then press the release button on the selector lever and engage the gear.

If the gear does not engage, set the lever to neutral, release the clutch pedal and depress again; then repeat gear selection.

Do not slip the clutch unnecessarily.

When operating, depress the clutch pedal completely. Do not use the pedal as a foot rest.

When clutch slip is detected for a specific time, the engine power will be reduced. A warning is displayed in the Driver Information Centre. Release the clutch.

| Caution |
| --- |
| It is not advisable to drive with the hand resting on the selector lever. |

Gear shift indication ⇨ 86.

Stop-start system ⇨ 125.

# Brakes

The brake system comprises two independent brake circuits.

If a brake circuit fails, the vehicle can still be braked using the other brake circuit. However, braking effect is achieved only when the brake pedal is depressed firmly. Considerably more force is needed for this. The braking distance is extended. Seek the assistance of a Holden dealer before continuing the journey.

When the engine is not running, the support of the brake servo unit disappears once the brake pedal has been depressed once or twice. Braking effect is not reduced, but braking requires significantly greater force. It is especially important to bear this in mind when being towed.

Control indicator ⇨ 85.

## Antilock brake system

Antilock brake system (ABS) prevents the wheels from locking.

ABS starts to regulate brake pressure as soon as a wheel shows a tendency to lock. The vehicle remains steerable, even during hard braking.

ABS control is made apparent through a pulse in the brake pedal and the noise of the regulation process.

For optimum braking, keep the brake pedal fully depressed throughout the braking process, despite the fact that the pedal is pulsating. Do not reduce the pressure on the pedal.

After starting off, the system performs a self-test which may be audible.

Control indicator ⇨ 86.

### Adaptive brake light

During full braking, all three brake lights flash for the duration of ABS control.

### Fault

**⚠Warning**

If there is a fault in the ABS, the wheels may be liable to lock due to braking that is heavier than normal. The advantages of ABS are no longer available. During hard braking, the vehicle can no longer be steered and may swerve.

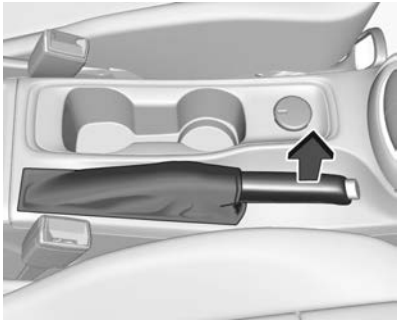
Have the cause of the fault remedied by a Holden dealer.

## Parking brake

**⚠Warning**

Before leaving the vehicle, check parking brake status. Control indicator (!) (manual parking brake) or (P) (electrical parking brake) must illuminate constantly.

### Manual parking brake



**⚠Warning**

Always apply parking brake firmly without operating the release button, and apply as firmly as possible on a downhill or uphill slope.

To release the parking brake, pull the lever up slightly, press the release button and fully lower the lever.

To reduce the operating forces of the parking brake, depress the foot brake at the same time.

Control indicator (!) ⇨ 85.

### Electric parking brake

#### Applying when vehicle is stationary

**⚠Warning**

Pull switch (P) for a minimum of one second until control indicator (P) illuminates constantly and electric parking brake is applied

⇨ 85. The electric parking brake operates automatically with adequate force.

Before leaving the vehicle, check the electric parking brake status. Control indicator Ⓟ ⇨ 85.

The electric parking brake can always be activated, even if the ignition is off.

Do not operate electric parking brake system too often without engine running as this will discharge the vehicle battery.

### Releasing

Switch on ignition. Keep foot brake pedal depressed and then push switch Ⓟ.

### Drive away function

Vehicles with manual transmission: Depressing the clutch pedal and then slightly releasing the clutch pedal and slightly depressing the accelerator pedal releases the electric parking brake automatically. This is not possible when switch Ⓟ is pulled at the same time.

Vehicles with automatic transmission: Engaging **D** and then depressing the accelerator pedal releases the electric parking brake automatically. This is not possible when switch Ⓟ is pulled at the same time.

### Dynamic braking when vehicle is moving

When the vehicle is moving and the switch Ⓟ is kept pulled, the electric parking brake system will decelerate the vehicle, but will not apply statically.

As soon as the switch Ⓟ is released, dynamic braking will be stopped.

### Automatic applying

If the vehicle is equipped with automatic transmission and adaptive cruise control is active, electric parking brake is applied automatically when vehicle is stopped by the system for more than two minutes.

Parking brake releases automatically after moving off.

### Functionality check

When the vehicle is not moving, the electric parking brake might be applied automatically. This is done to check the system.

### Fault

Failure mode of electric parking brake is indicated by a control indicator and by a vehicle message which is displayed in the Driver Information Centre. Vehicle messages ⇨ 96.

Apply electric parking brake: pull and hold the switch Ⓟ for more than five seconds. If control indicator Ⓟ illuminates, electric parking brake is applied.

Release electric parking brake: push and hold the switch Ⓟ for more than two seconds. If control indicator Ⓟ extinguishes, electric parking brake is released.

Control indicator Ⓟ flashes: electric parking brake is not fully applied or released. When continuously flashing, release electric parking brake and retry applying.

## Brake assist

If brake pedal is depressed quickly and forcefully, maximum brake force is automatically applied.

Operation of brake assist might become apparent by a pulse in the brake pedal and a greater resistance when depressing the brake pedal.

Maintain steady pressure on the brake pedal as long as full braking is required. Maximum brake force is automatically reduced when brake pedal is released.

## Hill start assist

The system helps prevent unintended movement when driving away on inclines.

When releasing the brake pedal after stopping on an incline, brakes remain on for further two seconds. The brakes release automatically as soon as the vehicle begins to accelerate.

# Ride control systems

## Traction Control system

The Traction Control system (TC) is a component of the Electronic Stability Control (ESC).

TC improves driving stability when necessary, regardless of the type of road surface or tyre grip, by preventing the drive wheels from spinning.

As soon as the drive wheels starts to spin, engine output is reduced and the wheel spinning the most is braked individually. This considerably improves the driving stability of the vehicle on slippery road surfaces.

TC is operational after each engine start as soon as the control indicator extinguishes.

When TC operates flashes.

**⚠Warning**

Do not let this special safety feature tempt you into taking risks when driving.

Adapt speed to the road conditions.

Control indicator ⇨ 86.

### Deactivation

TC can be switched off when spinning of drive wheels is required: press briefly.

Control indicator illuminates.

A status message appears in the Driver Information Centre when TC is deactivated.

When TC is deactivated, ESC remains active but with higher control threshold.

TC is reactivated by pressing again. A status message pops up in the Driver Information Centre when TC is reactivated.

TC is also reactivated the next time the ignition is switched on.

### Fault

If there is a fault in the system the control indicator illuminates continuously and a message appears in the Driver Information Centre. The system is not operational.

Have the cause of the fault remedied by a Holden dealer.

## Electronic Stability Control

Electronic Stability Control (ESC) improves driving stability when necessary, regardless of the type of road surface or tyre grip.

As soon as the vehicle starts to swerve (understeer/oversteer), engine output is reduced and the wheels are braked individually.

ESC operates in combination with the Traction Control system (TC). It prevents the drive wheels from spinning.

Torque distribution is a special feature that allocates the torque to the drive wheels before the ESC intervenes. When cornering, the wheels on the inner curve are braked individually. Additionally, engine torque will be delivered to the drive wheel on the outer curve. This reduces the tendency of understeering and improves traction when cornering fast.

ESC is operational after each engine start as soon as the control indicator extinguishes.

When ESC operates flashes.

**⚠ Warning**

Do not let this special safety feature tempt you into taking risks when driving.

Adapt speed to the road conditions.

Control indicator ⇨ 86.

### Deactivation

ESC and TC can be deactivated:

- hold pressed for a minimum of five seconds: ESC and TC are both deactivated. and illuminate and status messages appear in the Driver Information Centre.

- To deactivate only Traction control system press button briefly: TC is inactive but ESC remains active, illuminates. A status message appears in the Driver Information Centre when TC is deactivated.

ESC is reactivated by pressing the button again. If the TC system was previously disabled, both TC and ESC are reactivated. and extinguishes when TC and ESC are reactivated.

ESC is also reactivated the next time the ignition is switched on.

### Fault

If there is a fault in the system the control indicator illuminates continuously and a message appears in the Driver Information Centre. The system is not operational.

Have the cause of the fault remedied by a Holden dealer.

## Sport mode

Sport mode adapts the settings of some vehicle systems to a sportier driving style.

### Activation

Press **SPORT** when engine is running.

LED in the button illuminates when sport mode is active and a status message appears in the Driver Information Centre.

### Deactivation

Briefly press **SPORT**. Sport mode is deactivated the next time the ignition is switched on.

# Driver assistance systems

**⚠Warning**

Driver assistance systems are developed to support the driver and not to replace the driver's attention.

The driver accepts full responsibility when driving the vehicle.

When using driver assistance systems, always take care regarding the current traffic situation.

## Cruise control

The cruise control can store and maintain speeds of approx. 30 km/h to maximum vehicle speed. Deviations from the stored speeds may occur when driving uphill or downhill.

It is the responsibility of the driver to comply with local posted speed limits.

For safety reasons, the cruise control cannot be activated until the brake pedal has been operated once. Activating in first gear is not possible.

Do not use the cruise control if it is not advisable to maintain a constant speed.

Illustrations show different versions.

Control indicator ⮹ ⇨ 88.

## Switching on

Press ⮹; control indicator ⮹ in instrument cluster illuminates white.

## Activation

Accelerate to the desired speed and turn thumb wheel to **SET/-**, the current speed is stored and maintained. Control indicator ⮹ in instrument cluster illuminates green. On Uplevel display ⮹ illuminates green and set speed is indicated. Accelerator pedal can be released.

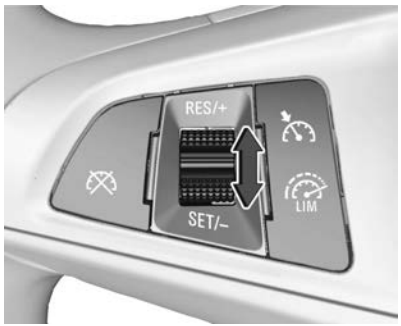
Vehicle speed can be increased by depressing the accelerator pedal. When the accelerator pedal is released, the previously stored speed is resumed.

Cruise control remains activated while gearshifting.

## Increase speed

With cruise control active, hold thumb wheel turned to **RES/+** or briefly turn to **RES/+** repeatedly: speed increases continuously or in small increments.

Alternatively accelerate to the desired speed and store by turning to **SET/-**.




## Reduce speed

With cruise control active, hold thumb wheel turned to **SET/-** or briefly turn to **SET/-** repeatedly: speed decreases continuously or in small increments.

### Deactivation

Press ; control indicator in instrument cluster illuminates white.

On Uplevel display changes to white.

Cruise control is deactivated, but not switched off. Last stored speed remains in memory for later speed resume.

Automatic deactivation:

- Vehicle speed is below approx. 30 km/h.
- Vehicle speed drops more than 25 km/h below the set speed.
- The brake pedal is depressed.
- The clutch pedal is depressed for a few seconds.
- The selector lever is in **N**.
- Engine speed is in a very low range.
- The Traction Control system or Electronic Stability Control is operating.
- Parking brake is applied.
- Simultaneous pressing **RES/+** and brake pedal deactivates cruise control and will delete stored speed.

### Resume stored speed

Turn thumb wheel to **RES/+** at a speed above 30 km/h. The stored speed will be obtained.

### Switching off

Press , control indicator in instrument cluster extinguishes. The stored speed is deleted.

Pressing to activate the speed limiter or switching off the ignition also switches off cruise control and deletes the stored speed.

## Speed limiter

The speed limiter prevents the vehicle exceeding a preset maximum speed.

The maximum speed can be set at speeds above 25 km/h.

The driver can only accelerate up to the preset speed. Deviations from the limited speed may occur when driving downhill.

The preset speed limit is displayed in the Driver Information Centre when the system is active.

### Activation

Illustrations show different versions.

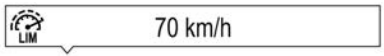
Press ☏, symbol ☏ illuminates in the Driver Information Centre.

If cruise control has been activated before, it is switched off when speed limiter is activated and the control indicator ⊘ extinguishes.

## Set speed limit

Accelerate to the desired speed and briefly turn thumb wheel to **SET/-**: the current speed is stored as maximum speed.

On Midlevel display ☏ and the speed limit is displayed.




On Uplevel display ☏ changes to green.

## Change speed limit

With speed limiter active, hold or briefly turn thumb wheel to **RES/+** to increase or **SET/-** to decrease the desired maximum speed.

## Exceeding the speed limit

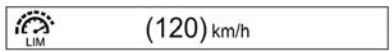
When exceeding the limited speed without driver input, the speed will flash in the Driver Information Centre and a chime sounds during this period.

In the event of an emergency, it is possible to exceed the speed limit by depressing the accelerator pedal firmly nearly to the final point. In this case no chime appears.

Release the accelerator pedal and the speed limiter function is reactivated once a speed lower than the limit speed is obtained.

## Deactivation

Press ⊘: speed limiter is deactivated and the vehicle can be driven without speed limit.




On Midlevel display the stored limited speed is indicated in brackets.

On Uplevel display ☏ changes to white.

Additionally, a corresponding message appears.

Speed limiter is deactivated, but not switched off. Last stored speed remains in memory for later speed resume.

### Resume limit speed

Turn thumb wheel to **RES/+**. The stored speed limit will be obtained and is indicated without brackets in the Driver Information Centre.

### Switching off

Press ⏱, the speed limit indication extinguishes in the Driver Information Centre. The stored speed is deleted.

By pressing ⏲ to activate cruise control or adaptive cruise control, speed limiter is also deactivated and the stored speed is deleted.

By switching off the ignition, speed limiter is also deactivated, but the speed limit will be stored for next speed limiter activation.

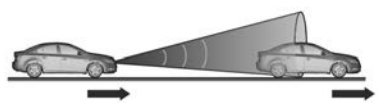
## Adaptive cruise control

Adaptive cruise control is an enhancement to conventional cruise control with the additional feature of maintaining a certain distance behind the vehicle ahead.

Adaptive cruise control automatically decelerates the vehicle when approaching a slower moving vehicle. It then adjusts the vehicle speed to follow the vehicle ahead at the selected following distance. The vehicle speed increases or decreases to follow the vehicle in front, but will not exceed the set speed. It may apply limited braking with activated brake lights.

The adaptive cruise control can store and maintain speeds over approx. 25 km/h. If following a vehicle ahead driving slower than 25 km/h, the slower speed will be set. On vehicles with automatic transmission, the system can also brake to a stop.

It is the responsibility of the driver to comply with local posted speed limits.



Adaptive cruise control uses a radar sensor to detect the vehicles ahead. If no vehicle is detected in the driving path, the adaptive cruise control will behave like a conventional cruise control.

For safety reasons, the system cannot be activated before the brake pedal or clutch pedal has been depressed once since switching on ignition.

Adaptive cruise control is mainly advised to be used on long straight roads like highways or country roads with steady traffic. Do not use the system if it is not advisable to maintain a constant speed.

Control indicator 🚗 ⇨ 88, ⏲ ⇨ 88, 🚘 ⇨ 88.

**⚠ Warning**

The complete driver attention is always required while driving with adaptive cruise control. The driver stays fully in control of the vehicle because the brake pedal, the

accelerator pedal and the cancel switch have priority over any adaptive cruise control operation.

## Switching on

Press to switch on adaptive cruise control. The control indicator in the instrument cluster illuminates white. Additionally appears in the Driver Information Centre.

## Activation by setting the speed

Adaptive cruise control can be activated over 25 km/h.

It is the responsibility of the driver to comply with local posted speed limits.

Accelerate to the desired speed and turn thumb wheel to **SET/-**, the current speed is stored and maintained. Control indicator in the instrument cluster illuminates green.

The adaptive cruise control symbol , the following distance setting and set speed are indicated in the Driver Information Centre. On Uplevel display illuminates green.

The accelerator pedal can be released. Adaptive cruise control remains activated while gearshifting.

## Overriding set speed

It is always possible to drive faster than the selected set speed by depressing the accelerator pedal. When the accelerator pedal is released, the vehicle returns to the desired distance if a slower vehicle is ahead. Otherwise it returns to the stored speed.

Once the system is activated, adaptive cruise control decelerates or brakes if it detects a vehicle ahead, which is slower or closer than the desired following distance.

**⚠Warning**

Accelerating by the driver deactivates automatic braking by the system. This is indicated as a pop-up warning in the Driver Information Centre.

## Increase speed

With adaptive cruise control active, hold thumb wheel turned to RES/+: speed increases continuously in large increments, or activate repeatedly RES/+: speed increases in small increments.

If the vehicle is driven with adaptive cruise control active much faster than the desired speed, e.g. after depressing the accelerator pedal,

then the current speed can be stored and maintained by turning the thumb wheel to SET/-.

### Reduce speed

With adaptive cruise control active, hold thumb wheel turned to SET/-: speed decreases continuously in large increments, or activate repeatedly SET/-: speed decreases in small increments.

If the vehicle is driven with adaptive cruise control active much slower than the desired speed, e.g. because of a slower vehicle ahead, then the current speed can be stored and maintained by turning the thumb wheel to SET/-.

### Resume stored speed

If the system is switched on but inactive, then turn thumb wheel to RES/+ at a speed above 25 km/h to resume the stored speed.

## Full speed range adaptive cruise control on vehicles with automatic transmission

Full speed range adaptive cruise control will maintain a following gap behind a detected vehicle and slow your vehicle to a stop behind that vehicle.

In case of a brief stop of the vehicle ahead the adaptive cruise control will resume automatically without driver action. If necessary on some versions, press RES/+ or the accelerator pedal to resume adaptive cruise control.

If the stopped vehicle ahead was stopped for a longer time and then begins to move forward, the green illuminated vehicle ahead control indicator will flash and a warning chime will sound as a reminder to check traffic before proceeding.

When the vehicle ahead drives away, press RES+ or the accelerator pedal to resume adaptive cruise control. If stopped for more than two minutes or if the driver door is opened and the driver safety belt is unbuckled, the electric parking brake is applied automatically to hold the vehicle. Ⓟ will turn on. To release electric parking brake press the accelerator pedal. Electric parking brake ⇨ 134

**⚠ Warning**

When full speed range adaptive cruise control is deactivated or cancelled, the vehicle will no longer be held at a stop and can start to move. Always be prepared to manually apply the brake to hold the vehicle stationary.

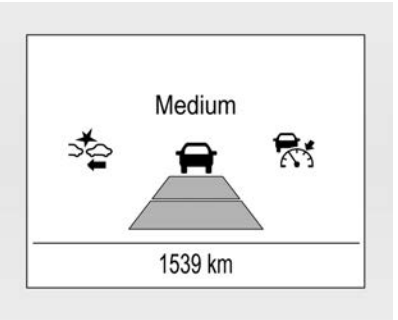
Do not leave the vehicle while it is being held at a stop by the full speed range adaptive cruise control. Always move selector lever to park position **P** and switch off the ignition before leaving the vehicle.

### Setting the following distance

When adaptive cruise control detects a slower moving vehicle in the driving path, it will adjust the vehicle speed to maintain the following distance selected by the driver.

The following distance can be set to near, medium or far.

Press ⛐, the current setting is shown in the Driver Information Centre. Press ⛐ again to change the following distance. The setting is also displayed in the Driver Information Centre.




The selected following distance is indicated by filled distance bars in the adaptive cruise control page.

Note that the following distance setting is shared with the sensitivity setting of forward collision alert ⇨ 150.

Example: If setting 3 (far) is selected, then the driver is warned sooner before a possible collision, also if adaptive cruise control is inactive or switched off.

**⚠Warning**

The driver accepts full responsibility for the appropriate following distance based on traffic, weather and visibility conditions. Following distance must be adjusted or the system switched off when required by the prevailing conditions.

### Detecting the vehicle ahead

The green illuminated vehicle ahead control indicator 🚘 is displayed when the system detects a vehicle in the driving path in a distance up to approximately 150 metres.

Forward collision alert ⇨ 150.

If this symbol does not display, or displays briefly, adaptive cruise control will not respond to vehicles ahead.

## Deactivation

Adaptive cruise control is deactivated by the driver when:

- is pressed.
- Brake pedal is applied.
- Clutch pedal is depressed for more than four seconds.
- Selector lever of automatic transmission is moved to **N**.

The system is also automatically deactivated when:

- Vehicle speed accelerates above 190 km/h or slows down below 15 km/h (on vehicles with automatic transmission it slows down to a stop without deactivating within two minutes).
- The Traction Control system is operating.
- The Electronic Stability Control is operating.
- There is no traffic and nothing detected on the road sides for several minutes. In this case there are no radar echoes and the sensor may report that it is blocked.
- The autonomous emergency braking system is applying the brakes.
- Driving on steep inclines.
- The radar sensor is blocked by an ice or water film.
- A fault is detected in the radar, engine or brake system.

Additionally the system is automatically deactivated on vehicles with automatic transmission (full speed range adaptive cruise control) when:

- The electric parking brake is applied.
- The vehicle is being held to a stop by the system for more than two minutes.
- The vehicle stops, the driver safety belt is unbuckled and the driver's door is opened.

When adaptive cruise control is deactivated, the control indicator changes from green to white and a pop-up message is displayed in the Driver Information Centre.

The stored speed is maintained.

The adaptive cruise control symbol changes from green to white when system is deactivated but not switched off.

**⚠ Warning**

When adaptive cruise control is deactivated, the driver must take over full brake and engine control.

## Switching off

Press to switch off adaptive cruise control. The control indicator and in the Driver Information Centre extinguish. The stored speed is deleted.

Switching off the ignition also switches off adaptive cruise control and deletes the stored speed.

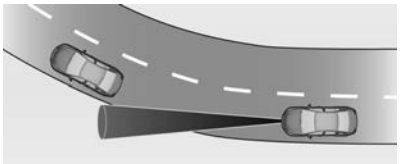
## Driver's attention

- Use adaptive cruise control carefully on bends or mountain roads, as it can lose the vehicle ahead and need time to detect it again.
- Do not use the system on slippery roads as it can create rapid changes in tyre traction (wheel spinning), so that you could lose control of the vehicle.
- Do not use adaptive cruise control during rain, snow or heavy dirt, as the radar sensor can be covered by a water film, dust, ice or snow. This reduces or suppresses completely the visibility. In case of sensor blockage, clean the sensor cover.

## System limits

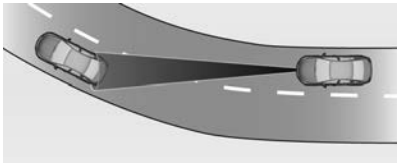
- The system's automatic brake force does not permit hard braking and the braking level may not be sufficient to avoid a collision.
- After a sudden lane change, the system needs a certain time to detect the next preceding vehicle. So if a new vehicle is detected, the system may accelerate instead of braking.
- Adaptive cruise control does ignore the oncoming traffic.
- Adaptive cruise control does not brake for pedestrians, animals, very slow speed driving or stopped vehicles.
- Do not use adaptive cruise control when towing a trailer.
- Do not use adaptive cruise control on steep inclines.

### Bends



The adaptive cruise control calculates a predicted path based on the centrifugal force. This predicted path considers the current bend characteristic, but cannot consider a future bend change. The system may lose the current vehicle ahead or consider a vehicle which is not in the actual lane. This can happen when entering or exiting a bend or if the bend gets stronger or weaker. If it no longer detects any vehicle ahead, then control indicator will extinguish.

If the centrifugal force is too high in a bend, the system slows down the vehicle slightly. This braking level is not designed to avoid spinning-off the bend. The driver is responsible for reducing the selected speed before entering a bend and in general to adapt the speed to the road type and to existing speed limits.

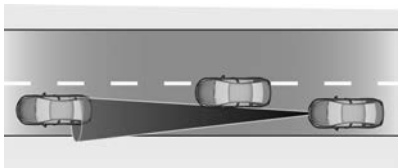


### Motorways

On motorways, adapt the set speed to the situation and the weather. Always consider that adaptive cruise control has a limited visibility range, a limited braking level and a certain reaction time to verify if a vehicle is on the driving path or not. Adaptive cruise control may not be able to brake the vehicle in time to avoid a collision with a much slower vehicle or after a lane change. This is particularly true if driving fast or if the visibility is reduced due to weather conditions.

While entering or exiting a motorway, adaptive cruise control may lose the vehicle ahead and accelerate up to the set speed. For this reason, decrease the set speed before the exit or before the entry.

### Vehicle path changes



If another vehicle enters your driving path, adaptive cruise control will first consider the vehicle when it is completely in your path. Be ready to take action and press the brake pedal, if you need to brake more quickly.

### Hill and trailer considerations

**⚠Warning**

Do not use adaptive cruise control on steep hill roads.

System performance on hills depends on vehicle speed, vehicle load, traffic conditions and the road gradient. It may not detect a vehicle in your path while driving on hills. On steep hills, you may have to use the accelerator pedal to maintain your vehicle speed.

When going downhill you may have to brake to maintain or reduce your speed.

Note that applying the brake deactivates the system.

## Radar unit

The radar unit is mounted behind the radiator grille below the brand emblem.

**⚠Warning**

The radar unit was aligned carefully during manufacture. Therefore, after a frontal accident,

do not use the system. The front bumper may appear to be intact, however the sensor behind can be out of position and react incorrectly. After an accident, consult a Holden dealer to verify and correct the adaptive cruise control sensor position.

### Settings

Settings can be changed in the vehicle personalisation menu in the Colour-Info-Display.

Select the relevant setting in **Settings**, ➧ **Vehicle** in the Colour-Info-Display.

Info-Display ⇨ 94.

Vehicle personalisation ⇨ 97.

### Fault

If the adaptive cruise control does not work due to temporary conditions (e.g. blockage by ice) or if there is a permanent system error, then a message is displayed in the Driver Information Centre.

Vehicle messages ⇨ 96.

## Forward collision alert

The forward collision alert may help to avoid or reduce the harm caused by front-end crashes.

If the vehicle is equipped with conventional cruise control, the forward collision alert uses the front camera in the windscreen to detect a vehicle directly ahead, in your path.

If the vehicle is equipped with adaptive cruise control, the forward collision alert uses the radar sensor to detect a vehicle directly ahead, in your path.

A vehicle ahead is indicated by the control indicator.

If a vehicle directly ahead is approached too quickly, a warning chime and alert in the Driver Information Centre is provided.

Additionally the driver gets notified by a flashing red LED stripe which is projected on the windscreen in the driver's field of view.

A precondition is that forward collision alert with front camera system is not deactivated by pressing on the steering wheel or, with radar sensor, that it is not deactivated in the vehicle personalisation menu ⇨ 97.

### Activation

Forward collision alert with front camera detects vehicles to distances of approximately 60 metres and operates automatically at all speeds above walking speed.

Forward collision alert with radar sensor detects vehicles to distances of approximately 150 metres and operates automatically at all speeds above walking speed.

### Alerting the driver

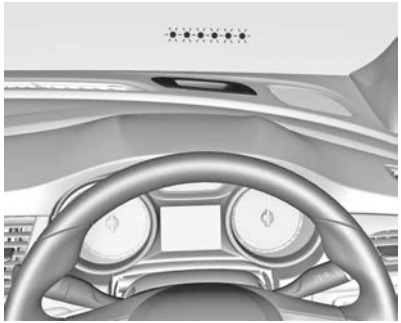
The vehicle ahead control indicator illuminates green in the instrument cluster when the system has detected a vehicle in the driving path.

The control indicator changes to yellow when the distance to a preceding moving vehicle gets too small or when approaching another vehicle too rapidly.

**Caution**

The colour lighting of this control indicator does not correspond to local traffic laws on following distance. The driver bears full responsibility for maintaining safe following distance according to applicable traffic rules, weather and road conditions etc. at all times.

When the time to a potential collision with a vehicle in front gets too small and a collision is imminent, the collision alert symbol pops-up in the Driver Information Centre and the driver gets notified by a flashing red LED stripe which is projected on the windscreen in the driver's field of view.



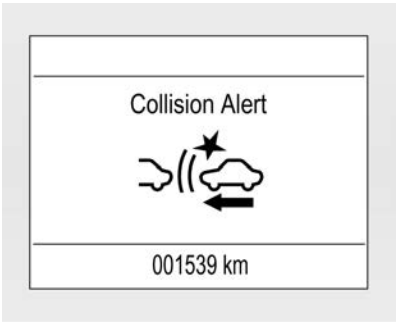
Simultaneously a warning chime sounds. Depress the brake pedal and steer the vehicle, if it is required by the situation.

## Selecting the alert sensitivity

Press to set the alert sensitivity to near, medium or far and on some versions off.

The first button press shows the current setting on the Driver Information Centre. Additional button presses will change this setting. The

chosen setting will remain until it is changed. The alert timing will vary based on vehicle speed. The faster the vehicle speed, the farther away the alert will occur. Consider traffic and weather conditions when selecting the alert timing.




Note that the alert timing sensitivity setting is shared with the following distance setting of the adaptive cruise control. So changing the alert timing sensitivity changes the adaptive cruise control following distance setting.

## Deactivation

The system can be deactivated.

On forward collision alert with radar sensor the system can be disabled by the personalisation menu, ⇨ 97.

On forward collision alert with front camera press ⛐ repeatedly until **Forward Collision Alert Off** appears in the Driver Information Centre.

If the forward collision alert was deactivated, alert sensitivity is set to "medium" when ignition is switched on next time.

The last selected setting will be stored when the ignition is switched off.

## General information

**⚠ Warning**

Forward collision alert is just a warning system and does not apply the brakes. When approaching a vehicle ahead too rapidly, it may not provide you enough time to avoid a collision.

The driver accepts full responsibility for the appropriate following distance based on traffic, weather and visibility conditions.

The complete attention of the driver is always required while driving. The driver must always be ready to take action and apply the brakes.

### System limitations

Forward collision alert is designed to warn on vehicles only, but may react also to other objects.

In the following cases, forward collision alert may not detect a vehicle ahead or sensor performance is limited:

- on winding roads
- when weather limits visibility, such as fog, rain, or snow
- when the sensor is blocked by snow, ice, slush, mud, dirt, windscreen damage or affected by foreign items, e.g. stickers

## Autonomous emergency braking

Autonomous emergency braking can help to reduce the damage and injury from crashes with vehicles and obstacles directly ahead, when a collision can no longer be avoided

either by manual braking or by steering. Before the autonomous emergency braking applies, the driver is warned by the forward collision alert ⇨ 150.

The feature uses various inputs (e.g. camera sensor, radar sensor, brake pressure, vehicle speed) to calculate the probability of a frontal collision.

**⚠ Warning**

This system is not intended to replace the driver responsibility for driving the vehicle and looking ahead. Its function is limited to supplemental use only to reduce the vehicle speed before a collision.

The system may not react for pedestrians or animals. After a sudden lane change, the system needs a certain time to detect the next preceding vehicle.

The driver shall always be ready to take action and apply the brakes and steer to avoid collisions.

**Functionality**

If equipped only with front camera the autonomous emergency braking operates in forward gear above walking speed up to 85 km/h.

With radar sensor autonomous emergency braking operates in forward gear above walking speed at all speeds.

A precondition is that forward collision alert with front camera system is not deactivated by pressing on the steering wheel ⇨ 150 or, with radar sensor, that it is not deactivated in the vehicle personalisation menu ⇨ 97.

The system includes:

- brake preparation system
- emergency automatic braking
- forward looking brake assist
- intelligent brake assist (only with radar sensor)

**Brake preparation system**

When approaching a vehicle ahead so quickly that a collision is likely, the brake preparation system slightly pressurizes the brakes. This reduces the response time, when a manual or automatic braking is requested.

The brake system is prepared so that braking can occur more rapidly.

If equipped only with front camera the system operates up to a speed of 80 km/h.

**Emergency automatic braking**

After activation of brake preparation system and just before the imminent collision, this function automatically applies limited braking to reduce the impact speed of the collision or prohibit a crash. Depending on the situation, the vehicle may automatically brake moderately or hard. This front automatic braking can only occur if a vehicle ahead is detected, indicated by the vehicle ahead indicator ⇨ 150.

If equipped only with front camera the system operates up to a speed of 60 km/h.

Below a speed of 40 km/h the system can apply full braking.

Emergency automatic braking may slow the vehicle to a complete stop to try to avoid a potential crash. If this happens, emergency automatic braking may engage the electric parking brake to hold the vehicle at a stop. To release press the electric parking brake button or firmly press the accelerator pedal.

**⚠Warning**

Emergency automatic braking is an emergency crash preparation feature and is not designed to avoid crashes. Do not rely on the system to brake the vehicle. Emergency automatic braking will not brake outside of its operating speed range and only responds to detected vehicles.

**Forward looking brake assist**

In addition to the brake preparation system and emergency automatic braking, the forward looking brake assist function makes the brake assist more sensitive. Therefore, pressing the brake pedal less strongly results in immediate hard braking. This function helps the driver brake quicker and harder before the imminent collision.

If equipped only with front camera the system operates up to a speed of 85 km/h.

**⚠Warning**

Autonomous emergency braking is not designed to apply hard autonomous braking or to automatically avoid a collision. It is designed to reduce the vehicle speed before a collision. It may not react for pedestrians or animals. After a sudden lane change, the system needs a certain time to detect the next preceding vehicle.

The complete attention of the driver is always required while driving. The driver shall always be ready to take action and apply the brakes and steer to avoid collisions. The system is designed to work with all occupants wearing their seat belts.

**Intelligent Brake Assist**

If the vehicle is equipped with radar sensor Intelligent brake assist may activate when the brake pedal is applied quickly by providing a boost to braking based on the speed of approach and distance to a vehicle ahead.

Minor brake pedal pulsations or pedal movement during this time is normal and the brake pedal should continue to be applied as needed. Intelligent brake assist will automatically disengage only when the brake pedal is released.

**⚠Warning**

Intelligent brake assist may increase vehicle braking in situations when it may not be necessary. You could block the flow of traffic. If this occurs, take your foot off the brake pedal and then apply the brakes as needed.

### Deactivation

On vehicles with front camera autonomous emergency braking can be deactivated by repeatedly pressing the gap switch to **Off** setting, ⇨ 150. If deactivated a message is displayed in the Driver Information Centre.

On vehicles with radar sensor the system can be disabled in the personalisation menu in the Info-display, ⇨ 97.

### System limitations

In some cases, the autonomous emergency braking system may provide an automatic braking in situations that seem to be unnecessary, for instance in parking garages, due to traffic signs in a curve or due to vehicles in another lane. This is normal operation, the vehicle does not need service. Firmly apply the accelerator pedal to override the automatic braking.

Emergency automatic braking may not:

- detect a vehicle ahead on winding or hilly roads.
- detect all vehicles, especially vehicles with a trailer, tractors, muddy vehicles, etc.
- detect a vehicle when weather limits visibility, such as in fog, rain, or snow.

To avoid malfunction keep the areas of the camera sensor in the windscreen and the radar sensor in the radiator grille always clean from dirt, dust, ice and snow.

Complete attention is always required while driving, and you should be ready to take action and apply the brakes and/or steer the vehicle to avoid crashes.

### Fault

In case the system requires a service, a message is displayed in the Driver Information Centre.

If the system does not work as it should do, vehicle messages are displayed in the Driver Information Centre.

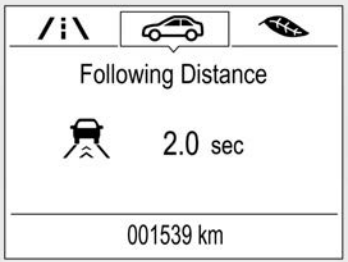
Vehicle messages ⇨ 96.

## Following distance indication

The following distance indication displays the distance to a preceding moving vehicle. The front camera in the windscreen is used to detect the distance of a vehicle directly ahead in the vehicle's path. It is active at speeds above 40 km/h.

When a preceding vehicle is detected ahead, the distance is indicated in seconds, displayed on a page in the Driver Information Centre.

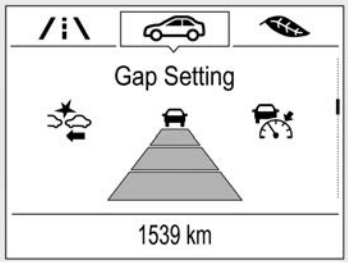
On Midlevel display, choose **Info** Menu via **MENU** on the turn signal lever and turn the adjuster wheel to choose following distance indication page ⇨ 89.




On Uplevel display, select **Info** menu via steering wheel buttons and press ⌄ to select following distance indication ⇨ 89.

The minimum indicated distance is 0.5 seconds.

If there is no vehicle ahead or the vehicle ahead is out of range, two dashes will be displayed: -.- sec.




If Adaptive cruise control is active, this page shows the alert sensitivity setting instead of following distance setting ⇨ 143.

# Parking assist

## Rear parking assist

**⚠ Warning**

It is the driver who bears full responsibility for the parking manoeuvre.

Always check the surrounding area while reversing and using the rear parking assist system.

The rear parking assist makes parking easier by measuring the distance between the vehicle and rear obstacles. It informs and warns the driver by giving acoustic signals and display indication.

The system has four ultrasonic parking sensors in the rear bumper.

### Activation

After ignition is switched on, the rear parking assist is activated.

An illuminated LED in the parking assist button P indicates that the system is ready to operate.

### Indication

The system warns the driver with acoustic signals against potentially hazardous obstacles behind the vehicle in a distance range up to 50 cm while a forward gear is engaged, respectively up to 1.5 metres while reverse gear is engaged.

Depending on which side of the vehicle is closer to an obstacle, you will hear acoustic warning signals in the vehicle on the respective side. The interval between the sounds becomes shorter as the vehicle gets closer to that obstacle. When the distance is less than approx. 30 cm, the sound is continuous.

Additionally, the distance to rear obstacles is displayed by changing distance lines in the Driver Information Centre ⇨ 89.

The distance indication can be inhibited by vehicle messages with a higher priority. After dismissing the message distance indication appears again.

### Deactivation

Press parking assist button P to deactivate, the LED in the button extinguishes.

### Fault

In the event of a fault or if the system does not work temporarily, e.g. because of high external noise level or other interference factors, the LED in the button flashes for three seconds and then extinguishes. A message is indicated in the Driver Information Centre.

## Front-rear parking assist

**⚠Warning**

The driver bears full responsibility for the parking manoeuvre.

Always check the surrounding area when driving backwards or forwards while using parking assist system.

The front-rear parking assist measures the distance between the vehicle and obstacles in front and behind the vehicle. It informs and warns the driver by giving acoustic signals and display indication.

It uses two different acoustic warning signals for the front and rear monitoring areas, each with a different tone frequency.

The system has four ultrasonic parking sensors each in the rear and front bumper.

### Activation

When reverse gear is engaged, the front and rear parking assist is ready to operate. The front parking assist is also activated automatically at a speed up to 11 km/h.

An illuminated LED in the parking assist button P⁾⁾▲ indicates that the system is ready to operate.

If P⁾⁾▲ is switched off within an ignition cycle, the front parking assist is deactivated. If vehicle speed has exceeded 25 km/h beforehand, parking assist will be reactivated when speed drops below 11 km/h.

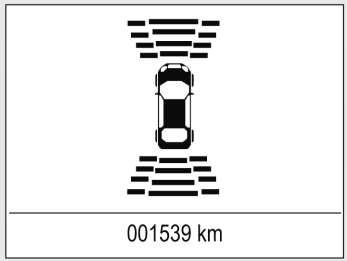
When the system is deactivated, the LED in the button extinguishes and **Park Assist Off** pops-up in the Driver Information Centre.

**Indication**

The system warns the driver with acoustic signals against potentially hazardous obstacles in front of the vehicle in a distance range up to 80 cm and against potentially hazardous obstacles behind the vehicle in a distance range up to 50 cm while a forward gear is engaged, respectively up to 1.5 m while reverse gear is engaged.

Depending on which side of the vehicle is closer to an obstacle, you will hear acoustic warning signals in the vehicle on the respective side. The interval between the sounds becomes shorter as the vehicle gets closer to that obstacle. When the distance is less than approx. 30 cm, the sound is continuous.

Additionally, the distance to rear and front obstacles is displayed by changing distance lines in the Driver Information Centre ⇨ 89 or, depending on the version, on the Info-Display ⇨ 94.




The distance indication can be inhibited by vehicle messages with a higher priority. After dismissing the message distance indication appears again.

**Deactivation**

The rear parking assist automatically switches off when reverse gear is disengaged. The front parking assist is deactivated automatically at a speed above 11 km/h.

Manual deactivation is also possible by pressing the parking assist button P⁾⁾▲.

When the system is deactivated manually, the LED in the button extinguishes and **Park Assist Off** pops-up in the Driver Information Centre.

After a manual deactivation, the front-rear parking assist is activated again if P is pressed or if reverse gear is engaged.

The complete system can be manually deactivated in the vehicle personalisation menu in the Info-Display. It remains deactivated during the ignition cycle or until activation in personalisation menu again. Vehicle personalisation ⇨ 97.

When using the trailer hitch change the configuration settings in the vehicle personalisation menu in the Info-Display. Vehicle personalisation ⇨ 97.

### Fault

In the event of a fault or if the system does not work temporarily, e.g. because of high external noise level or other interference factors, a message pops-up in the Driver Information Centre.

Vehicle messages ⇨ 96.

## Advanced parking assist

**⚠ Warning**

The driver bears full responsibility for accepting the parking spot suggested by the system and the parking manoeuvre.

Always check the surrounding area in all directions when using the advanced parking assist.

The advanced parking assist measures a suitable parking spot while passing, calculates the trajectory and automatically steers the vehicle into a parallel or perpendicular parking spot.

Instructions are given in the Driver Information Centre ⇨ 89 or, depending on the version, on the Info-Display ⇨ 94, supported by acoustic signals.

The driver must control acceleration, braking and gear shifting, while steering is done automatically.

Advanced parking assist is always combined with front-rear parking assist. Both systems use the same sensors in the front and rear bumper.

The system has six ultrasonic parking sensors each in both the rear and front bumper.

### Activation of advanced parking assist

Advanced parking assist can only be activated when driving forwards.

When searching for a parking spot, the system is ready to operate with a short press of P.

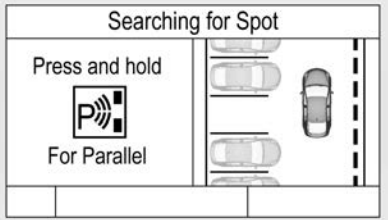
The system recognises and memorises ten metres for parallel parking spots or six metres for perpendicular parking spots in the parking assist mode.

The system can only be activated at a speed up to 30 km/h and the system searches for a parking spot at a speed up to 30 km/h.

The maximum allowed parallel distance between the vehicle and a row of parked cars is 1.8 metres for parallel parking and 2.5 metres for perpendicular parking.

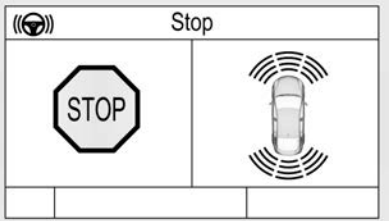
**Functionality**

**Parking spot searching mode, indication in the Driver Information Centre**




Select parallel or perpendicular parking spot in Driver Information Centre by long press on P.

The system is configured to detect parking spots by default on the passenger side. To detect parking spots on the driver side, switch on turn signal indicator on the driver side.




When a spot is detected, a visual feedback in the Driver Information Centre and an acoustic signal is given.

**Park guiding mode**

The parking spot suggestion of the system is accepted when the vehicle is stopped by the driver within ten metres for parallel parking spots or six metres for perpendicular parking spots after the **Stop** message is given. The system calculates the optimal path into the parking spot.

A brief vibration in the steering wheel after engaging reverse gear indicates that the steering is controlled by the

system. Then the vehicle is steered into the spot automatically by giving the driver detailed instructions for braking, accelerating and gear shifting. The driver must keep hands away from the steering wheel.

Always pay attention to the sound of the front-rear parking assist. Continuous sound indicates that the distance to an obstacle is less than approx. 30 cm.

If, for any reason, the driver must take over control of the steering, hold the steering wheel only at the outer edge. Automatic steering is cancelled in this event.

**Display indication**

The instructions on the display show:

- General hints and warning messages.
- A hint when driving faster than 30 km/h during parking spot searching mode.
- The demand to stop the vehicle, when a parking spot is detected.
- The direction of driving during the parking manoeuvre.
- The demand to shift into reverse or first gear.
- The demand to accelerate or brake.
- For some of the instructions a progress bar is shown in the Driver Information Centre.
- The successful completion of the parking manoeuvre indicated by a pop-up symbol and a chime.
- The cancelling of a parking manoeuvre.

**Display priorities**

Advanced parking assist indication in the Driver Information Centre can be inhibited by vehicle messages with a higher priority. After approving the message by pressing **SET/CLR** on the turn signal lever or ✓ on the steering wheel, advanced parking assist instructions appear again and the parking manoeuvre can be continued.

**Deactivation**

The system is deactivated by:

- a short press of P
- parking manoeuvre successfully ended
- driving faster than 30 km/h during parking spot search
- driving faster than 8 km/h during parking guidance
- driver interference on steering wheel detected
- exceeding number of maximum gear changes: eight cycles when parallel parking or five cycles when perpendicular parking
- switching off the ignition

Deactivation by the driver or by the system during manoeuvring will be indicated by **Parking Deactivated** on the display. Additionally, an acoustic signal sounds.

**Fault**

A message appears when:

- There is a fault in the system.
- The driver did not successfully complete the parking manoeuvre.
- The system is not operational.
- Any of the deactivation reasons described above apply.

If an object is detected during parking instructions, **Stop** is indicated on the display. Removing the object will resume the parking manoeuvre. If the object is not removed, the system will be deactivated. A long press of P will activate the system and search for a new parking spot.

## Basic notes on parking assist systems

**⚠ Warning**

Under certain circumstances, various reflective surfaces on objects or clothing as well as external noise sources may cause the system to fail to detect obstacles.

Special attention must be paid to low obstacles which can damage the lower part of the bumper.

**Caution**

Performance of the system can be reduced when sensors are covered, e.g. by ice or snow.

Performance of the parking assist system can be reduced due to heavy loading.

Special conditions apply if there are taller vehicles in the vicinity (e.g. off-road vehicles, mini vans, vans). Object identification and correct distance indication in the upper part of these vehicles cannot be guaranteed.

Objects with a very small reflection cross-section, e.g. objects of narrow size or soft materials, may not be detected by the system.

Parking assist systems do not detect objects outside the detection range.

**Note**

It is possible that the sensor detects a non-existing object caused by echo disturbance from external acoustic noise or mechanical misalignments (sporadic false warnings may occur).

Make sure that the front number plate is properly mounted (not bent and no gaps to the bumper on the left or right side) and the sensors are firmly in place.

Advanced parking assist system may not respond to changes in the available parking space after initiating a parking manoeuvre. The system may recognize an entry, a gateway, a courtyard or even a crossing as a parking spot. After selecting reverse gear the system

will start a parking manoeuvre. Take care regarding the availability of the suggested parking spot.

Surface irregularities, e.g. on construction zones, are not detected by the system. The driver accepts responsibility.

**Note**
After production, the system requires a calibration. For optimal parking guidance, a driving distance of at least 10 km, including a number of bends, is required.

## Side blind spot alert

The Side blind spot alert system detects and reports objects on either side of the vehicle, within a specified "blind spot" zone. The system displays a visual alert in each exterior mirror, when detecting objects that may not be visible in the interior and exterior mirrors.

Side blind spot alert uses some of the advanced parking assist sensors which are located in the front and rear bumper on both sides of the vehicle.

**⚠ Warning**

Side blind spot alert does not replace driver vision.

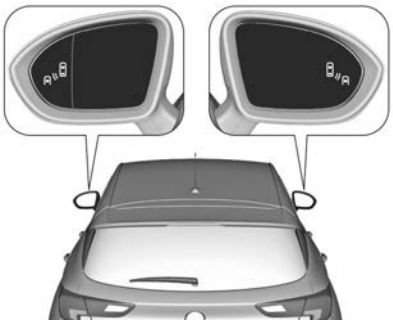
The system does not detect:

- vehicles outside the side blind zones which may be rapidly approaching
- pedestrians, cyclists or animals

Before changing a lane, always check all mirrors, look over the shoulder and use the turn signal.

When the system detects a vehicle in the side blind zone while driving forwards, either while passing a vehicle or being passed, a yellow warning symbol will illuminate in the relevant exterior mirror. If the driver then activates the turn signal, the warning symbol starts flashing yellow as a warning not to change lanes.

**Note**
If the overtaking vehicle is at least 10 km/h faster than the vehicle being overtaken, the warning symbol in the relevant exterior mirror may not illuminate.



Side blind spot alert is active from speeds of 10 km/h up to 140 km/h. Driving faster than 140 km/h deactivates the system, indicated by low lighting warning symbols in both exterior mirrors. Reducing the speed again will extinguish the warning symbols. If a vehicle is then detected in the blind zone, the warning symbols will illuminate as normal on the relevant side.

When the vehicle is started, both exterior mirror displays will briefly illuminate to indicate that the system is operating.

The system can be activated or deactivated in the Info-Display, vehicle personalisation ⇨ 97.

Deactivation is indicated by a message in the Driver Information Centre.

### Detection zones

The detection zones start at the rear bumper and extend approx. three metres rearwards and to the sides. The height of the zone is approx. between half a metre and two metres off the ground.

Side blind spot alert is designed to ignore stationary objects, e.g. guardrails, posts, curbs, walls and beams. Parked vehicles or oncoming vehicles are not detected.

### Fault

Occasional missed alerts can occur under normal circumstances and will increase in wet conditions.

Side blind spot alert does not operate when the left or right corners of the rear bumper are covered with mud, dirt, snow, ice, slush, or in heavy rainstorms. Cleaning instructions ⇨ 214.

In the event of a fault in the system or if the system does not work due to temporary conditions, the symbols in the mirrors will be permanently illuminated and a message is displayed in the Driver Information Centre. Seek the assistance of a Holden dealer.

## Rear view camera

The rear view camera assists the driver when reversing by displaying a view of the area behind the vehicle.

The view of the camera is displayed in the Colour-Info-Display.

**⚠ Warning**

The rear view camera does not replace driver vision. Note that objects that are outside the camera's field of view and the advanced parking assist sensors, e.g. below the bumper or underneath the vehicle, are not displayed.

Do not reverse the vehicle by only looking at the Info-Display and check the surrounding area behind and around the vehicle before reversing.

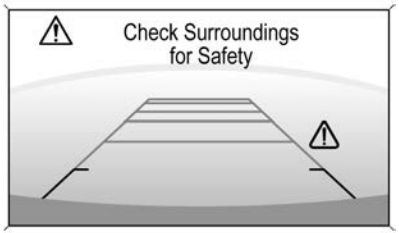
### Activation

Rear view camera is automatically activated when reverse gear is engaged.

### Functionality

On 5-door hatchback the camera is mounted between the number plate lights.

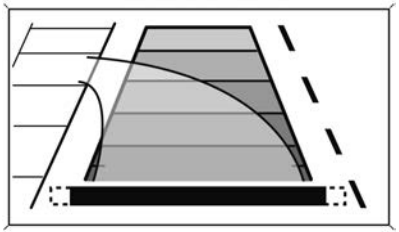
On Sportwagon the camera is mounted under the tailgate moulding.




The area displayed by the camera is limited. The distance of the image that appears on the display differs from the actual distance.

**Guiding lines**

Dynamic guiding lines are horizontal lines at one metre intervals projected onto the picture to define the distance to displayed objects.



Trajectory lane of the vehicle is shown in accordance with the steering angle.

**Warning symbols**

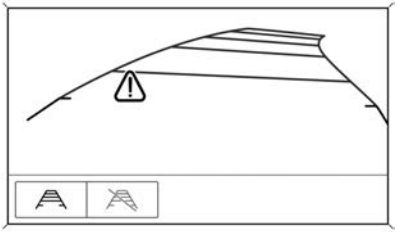
Warning symbols are indicated as triangles ⚠ on the picture, which show obstacles detected by the rear sensors of the advanced parking assist.

Additionally ⚠ appears on the top line of the Info-Display with the warning to check the vehicle surrounding.

## Deactivation

The camera is switched off when a certain forward speed is exceeded or if reverse gear is not engaged for approx. 15 seconds. Rear view camera can be manually deactivated in the vehicle personalisation menu in the Colour-Info-Display. Select the relevant setting in **Settings**, ➧ **Vehicle**.

**Deactivation of guiding lines and warning symbols**



7" Colour-Info-Display: Activation or deactivation of the visual guiding lines and the warning symbols can be changed via touch buttons in the lower zone of the display.

8" Colour-Info-Display: Activation or deactivation of the visual guiding lines and the warning symbols can be changed in the Settings menu in the Info-Display. Select the relevant setting in **Settings**, ➧ **Vehicle**.

Info-Display ⇨ 94.

Vehicle personalisation ⇨ 97.

### Fault

Fault messages are displayed with a ⚠on the top line of the Info-Display.

The rear view camera may not operate properly when:

- The surrounding is dark.
- The sun or the beam of headlights is shining directly into the camera lens.
- Ice, snow, mud, or anything else covers the camera lens. Clean the lens, rinse it with water, and wipe it with a soft cloth.
- The vehicle is towing a trailer.
- The vehicle had a rear end collision.
- There are extreme temperature changes.

## Lane keep assist

Lane keep assist helps to avoid crashes due to unintentional lane departures. The front camera observes the lane markings between which the vehicle is driving. If the vehicle approaches a lane marking, the steering wheel is gently turned to position the vehicle back into the lane. If the system does not steer the vehicle sufficiently, the driver may turn the steering wheel in the same direction. If the lane change is intended, the driver may turn the steering wheel gently in the opposite direction.

When crossing a lane marking significantly, lane keep assist starts a visual and acoustic warning.

Unintended lane departure is assumed

- without using turn signal
- using the turn signal in the opposite direction of the lane departure
- without braking
- without acceleration
- without active steering.

**Note**
The system is switched off during detection of ambiguous lane markings, e.g. in construction areas.

**Note**
The system may be switched off if it detects lanes which are too narrow, too wide or too curved.

## Activation

The lane keep assist is activated by pressing . The LED in the button illuminates to indicate that the system is switched on.

When the control indicator in the instrument cluster illuminates green, the system is ready to assist.

The system is operational at vehicle speeds above 60 km/h and if lane markings are available.

The system gently turns the steering wheel and the control indicator changes to yellow, if the vehicle approaches a detected lane marking without using the turn signal in that direction.

The system alerts by flashing together with three chimes, from the respective direction, if the lane is departed significantly.

The system is only operable when a lane marking is detected.

If the system only detects lane markings on one side of the road, it will only assist for this side.

Lane keep assist detects hands-free driving. In this case a message in the Driver Information Centre pops-up and a chime sounds as long as lane keep assist detects hands-free driving.

## Deactivation

The system is deactivated by pressing ; the LED in the button extinguishes.

## Fault

The system performance may be affected by:

- Windscreen not clean or affected by foreign items, e.g. stickers
- Close vehicles ahead
- Banked roads
- Winding or hilly roads
- Road edges
- Roads with poor lane markings
- Sudden lighting changes
- Adverse environmental conditions e.g. heavy rain or snow
- Vehicle modifications, e.g. tyres.

Switch off the system if the system is disturbed by tar marks, shadows, road cracks, temporary or construction lane markings, or other road imperfections.

**⚠Warning**

Always keep your attention on the road and maintain proper vehicle position within the lane, otherwise vehicle damage, injury or death could occur.

Lane keep assist does not continuously steer the vehicle.

The system may not keep the vehicle in the lane or give an alert, even if a lane marking is detected.

The steering of the lane keep assist may not be sufficient to avoid a lane departure.

The system may not detect hands-off driving due to external influences (road condition and surface, weather etc). The driver has full responsibility to control the vehicle and is always required to keep the hands on the steering wheel while driving.

Using the system while towing a trailer or on slippery roads could cause loss of control of the vehicle and a crash. Switch the system off.

# Fuel

## Fuel for petrol engines

**1.4L engine:** Use of clean, unleaded petrol of regular 91 Research Octane Number (RON) rating or higher is recommended. Use of Premium unleaded petrol (95 RON or higher) may provide a small improvement in performance and fuel economy.

**1.6L engine:** Use of Premium unleaded petrol (95 RON or higher) is recommended. The use of unleaded 98 RON is possible and may provide a small improvement in performance and fuel economy ⇨ 223.

Purchasing your fuel from a reputable fuel retailer may reduce the risk of purchasing fuel which contains abnormal fuel properties.

**Caution**

Use of fuel with too low an octane rating could lead to uncontrolled combustion and engine damage.

Equivalent standardised fuels with an ethanol content of max. 10% by volume may be used.

**⚠Warning**

Under no circumstances should you use fuel containing more than 10% ethanol. Use of such fuels may result in engine malfunction, starting and operating difficulties, and materials degradation. These adverse effects could result in permanent damage to your vehicle and the risk of personal injury. Purchasing your fuel from a reputable fuel retailer may reduce the risk of purchasing fuel with more than 10% ethanol or fuel which contains abnormal fuel properties.

## Refuelling

**⚠Danger**

Before refuelling, switch off ignition and any external heaters with combustion chambers.

Follow the operating and safety instructions of the filling station when refuelling.

**⚠Danger**

Fuel is flammable and explosive. No smoking. No naked flames or sparks.

If you can smell fuel in your vehicle, have the cause of this remedied immediately by your Holden Dealer.

**Caution**

In case of misfuelling, do not switch on ignition.

Fuel filler flap is located at right rear side of the vehicle.

The fuel filler flap can only be opened if the vehicle is unlocked. Release the fuel filler flap by pushing the flap.

To open, turn the cap slowly anticlockwise.

The fuel filler cap can be retained in the bracket on the fuel filler flap.

To refuel, fully insert the pump nozzle and switch it on.

After automatic cut-off, it can be topped up by operating the pump nozzle maximally two more times.

| Caution |
| --- |
| Wipe off any overflowing fuel immediately. |

To close, turn the fuel filler cap clockwise until it clicks.

Close the flap and engage.

### Fuel filler cap

Only use genuine fuel filler caps.

# Trailer hitch

## General information

The word 'Trailer' is used throughout this section and is intended to include all types of towed vehicles, such as a caravan, boat trailer or any other special purpose trailer.

The vehicle is designed primarily as a passenger vehicle, so handling, durability and economy may be affected by towing a trailer. Your Holden Dealer will help supply and install towing equipment to suit your requirements.

Trailer towing ⇨ 172.

# Trailer towing

## Overloading

Never exceed the loads given for the towing equipment fitted to the vehicle. For your safety and the vehicle's durability, all mandatory equipment must be fitted. Otherwise you may void the New Vehicle Warranty, to the extent that Holden considers the overloading or missing equipment to have affected the specifications or quality of the vehicle.

## Maximum towing capacities (kg)

| Engine | Transmission | Type | Caravan/Trailer |
|---|---|---|---|
| 1.4L Petrol | Manual transmission | With brake | 1200 kg |
| | | Without brake | 750 kg |
| | Automatic transmission | With brake | 1200 kg |
| | | Without brake | 750 kg |
| 1.6L Petrol | Manual transmission | With brake | 1420 kg |
| | | Without brake | 750 kg |
| | Automatic transmission | With brake | 1420 kg |
| | | Without brake | 750 kg |

Mandatory equipment: Holden 1400 kg rated towbar and Holden trailer wiring harness.

**⚠Warning**

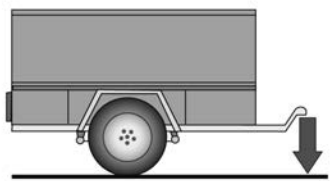
Holden towing equipment is recommended where it is available. Where it is not available, no recommendation is made as to the make of equipment to be used. Holden will not accept liability for defects occurring in inappropriate towing equipment or for defects in the vehicle arising from the use of such equipment or for loss or injury caused by use of such equipment.

The use of inappropriate equipment may void your New Vehicle Warranty to the extent that Holden considers the overloading or missing equipment to have affected the specifications or quality of your vehicle.

## Towing with Electronic Stability Control (ESC)

You may hear noise from the ESC modulator when it is working. The ESC is reacting to the vehicle movement caused by the trailer, which mainly occurs during cornering. This is considered normal when towing heavier trailers.

### Recommended procedure for attaching a trailer



When a trailer is hitched to the vehicle, it places a weight on the tow bar. This weight is called the 'tow ball load'.

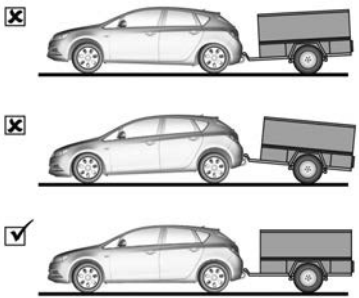
If the tow ball load is too light or too heavy, the steering and handling of the vehicle may be affected.

As a general guideline, for single axle trailers, the ball load should be approximately 10% of the loaded trailer mass. For heavy trailers with more than one axle, the ball load should be in the range of 5% - 10% of the loaded trailer mass.

**Note**
The tow ball load should not exceed 75 kg.

The tow ball load can be adjusted by correctly packing the contents of the trailer. For example, by moving items forwards or backwards within the trailer so as to change the balance of the trailer.

Check the tow ball load before coupling the trailer to the towing vehicle.



If the attitude of the vehicle is compromised, adjust the vehicle and trailer load within the specifications to improve the attitude. If the vehicle attitude cannot be corrected, use a load distribution hitch.

**Note**
At no time may the maximum towing capacity exceed the maximum specified. Refer to Maximum towing capacity previously in this chapter.

At no time may the total rear axle load exceed the maximums specified. Refer to Loading the vehicle previously in this chapter.

### Towing precautions

- When heavily loading your vehicle or when towing, your tyres should be inflated to the maximum recommended pressure. Refer to tyre pressure placard and information about tyre pressures ⇨ 227.
- Tighten the tow ball retaining nut to 140 Nm (Newton Meters) and check the torque frequently.
- Vehicles handle differently when towing. It is a good idea to make a couple of short distance trips with the trailer before setting off on a longer journey.
- Have your vehicle correctly maintained and serviced.
- Have the trailer maintained and serviced, with particular attention to the condition of the brakes, tyres, suspension, wheel bearings, lighting and the tow coupling.
- Use extended-arm rear view mirrors on both sides of the vehicle if necessary.
- Headlamps may need realignment after the loaded trailer has been hitched.
- Use a lower gear and the brakes, when descending steep hills.
- Do not use axle-mounted hitches as this will damage the vehicle.
- Ensure that no part of the tow bar (including the tongue or tow ball) obscures the vehicle's licence plate. If necessary, remove the tow bar tongue when it is not in use.
- If a tow bar is removed: Ensure to have any mounting holes in the underbody properly sealed to prevent the possible entry to exhaust fumes, dust and water.

### Trailer brakes

- Trailer brakes are mandatory on trailers weighing 750 kg and over when loaded. The brakes on the trailer must be designed to cope with the braking requirements of the trailer under all towing

conditions, without adversely affecting the brakes on the vehicle.

- Contact the appropriate regulatory body in your State or Territory for the legal requirements of trailer brakes.

**Fitting accessories (bull bar, driving lamps, insect screens etc.)**

When fitting accessories, take care not to restrict airflow through the air conditioner condenser and the radiator, otherwise engine overheating and/or poor air conditioning performance may result.

The mass of all accessories must be considered when evaluating the vehicle's overall loaded condition.

Remember that bull bars may affect airbag operation.

**Running in before towing**

Holden recommends that you drive your new vehicle for at least 1,500 km before towing. If you must tow in the first 1,500 km of the vehicle's life, do not exceed 80 km/h.

The same applies if the vehicle is equipped with a new or reconditioned engine, transmission or axle.

**Vehicle maintenance**

More frequent vehicle maintenance is required when using the vehicle for towing. Refer to the Service & Warranty Booklet in the vehicle's glovebox.

## Trailer stability assist

If the system detects snaking movements, engine power is reduced and the vehicle/trailer combination is selectively braked until the snaking ceases. While system is working keep steering wheel as still as possible.

Trailer stability assist (TSA) is a function of the Electronic Stability Control ⇨ 137.

# Vehicle care

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# General Information

## Accessories and vehicle modifications

We recommend the use of genuine parts and accessories and factory approved parts specific for your vehicle type. We cannot assess or guarantee reliability of other products - even if they have a regulatory or otherwise granted approval.

Any modification, conversion or other changes made to standard vehicle specifications (including, without limitation, software modifications, modifications of the electronic control units) may invalidate the warranty offered by Holden. Furthermore, such changes may affect driver assistance systems, may impact fuel consumption, $CO_2$ emissions and other emissions of the vehicle and cause the vehicle to no longer conform to the type approval, impacting the validity of your vehicle registration.

**Caution**

When transporting the vehicle on a train or on a recovery vehicle, the mud flaps might be damaged.

## Vehicle storage

### Storage for a long period of time

If the vehicle is to be stored for several months:

- Wash and wax the vehicle.
- Have the wax in the engine compartment and underbody checked.
- Clean and preserve the rubber seals.
- Fill up fuel tank completely.
- Change the engine oil.
- Drain the washer fluid reservoir.
- Check the coolant antifreeze and corrosion protection.
- Adjust tyre pressure to the value specified for full load.
- Park the vehicle in a dry, well ventilated place. Engage first or reverse gear or set selector lever to **P**. Prevent the vehicle from rolling.
- Do not apply the parking brake.
- Open the bonnet, close all doors and lock the vehicle.
- Disconnect the clamp from the negative terminal of the vehicle battery. Beware that all systems are not functional, e.g. anti-theft alarm system.

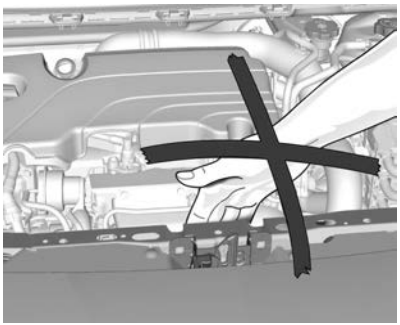
### Putting back into operation

When the vehicle is to be put back into operation:

- Connect the clamp to the negative terminal of the vehicle battery. Activate the electronics of the power windows.
- Check tyre pressure.
- Fill up the washer fluid reservoir.
- Check the engine oil level.
- Check the coolant level.
- Fit the number plate if necessary.

# Vehicle checks

## Performing work



**⚠Warning**

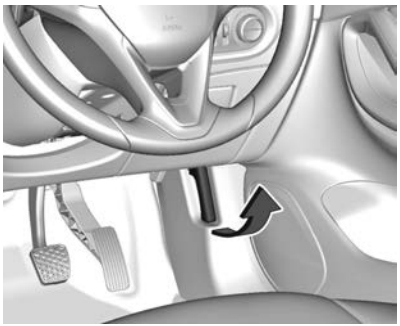
Only perform engine compartment checks when the ignition is off.

The cooling fan may start operating even if the ignition is off.

| ⚠ Danger |
| --- |
| The ignition system uses extremely high voltage. Do not touch. |

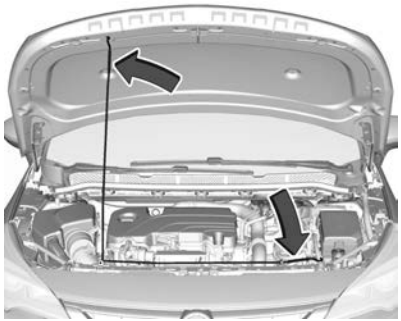
# Bonnet

## Opening



Pull the release lever and return it to its original position.

Move the safety catch sideways to the left vehicle side and open the bonnet.



Secure the bonnet support.

If the bonnet is opened during an Autostop, the engine will be restarted automatically for safety reasons.

## Closing

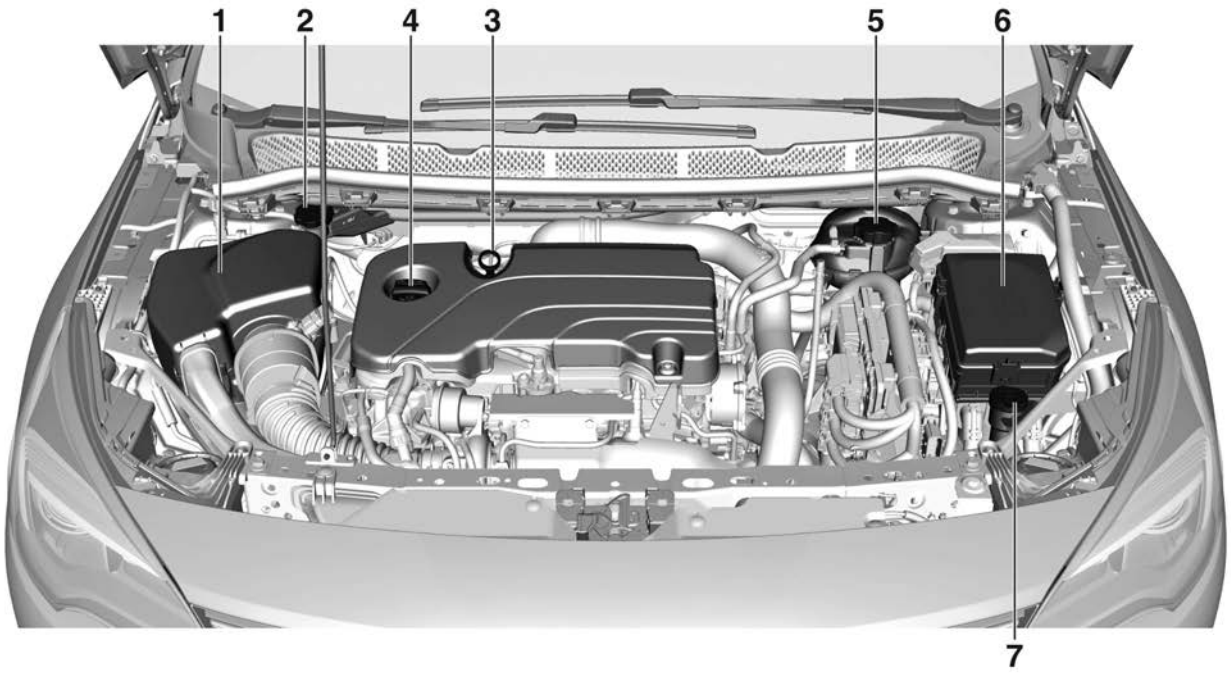
Before closing the bonnet, press the support into the holder.

Lower the bonnet and let it fall into the latch from a low height (20-25 cm). Check that the bonnet is engaged.

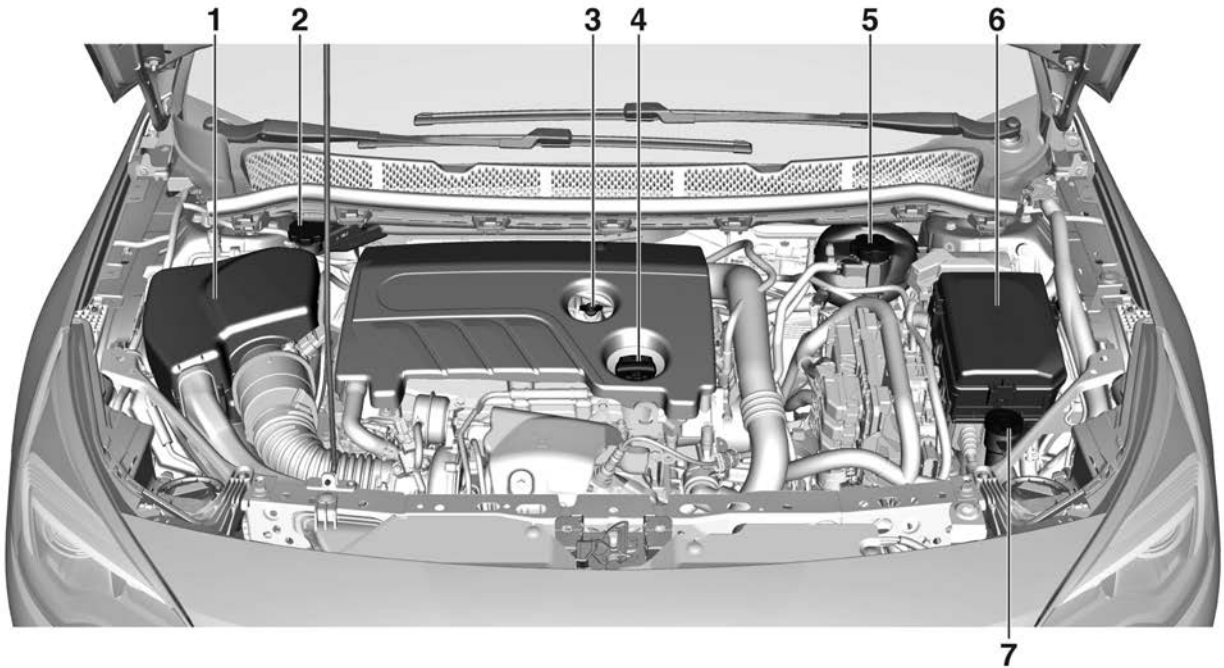
| Caution |
| --- |
| Do not press the bonnet into the latch to avoid dents. |

# Engine compartment overview

## 1.4L Petrol engine



1.6L Petrol engine



1. Engine air filter ⇨ 183
2. Brake and clutch fluid container ⇨ 184
3. Dipstick for engine oil level ⇨ 182
4. Engine oil cap ⇨ 182
5. Engine coolant container ⇨ 183
6. Fuse box ⇨ 197
7. Washer fluid container ⇨ 184

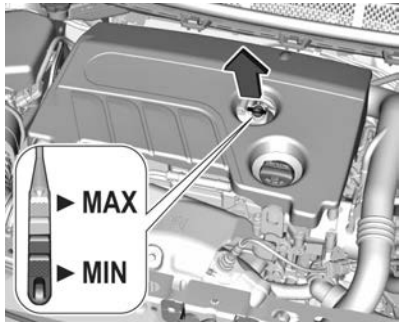
## Engine oil

Check the engine oil level manually on a regular basis to prevent damage to the engine. Ensure that the correct specification of oil is used. Recommended fluids and lubricants ⇨ 217.

Check with the vehicle on a level surface. The engine must be at operating temperature and switched off for at least five minutes.

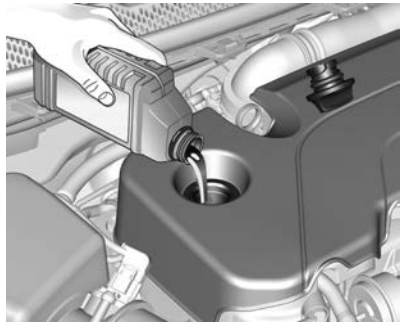
Pull out the dipstick, wipe it clean, reinsert fully, pull out and read the engine oil level.

Different dipsticks are used depending on engine variant.




When the engine oil level has dropped to the **MIN** mark, top up engine oil.

We recommend the use of the same grade of engine oil that was used at last change.



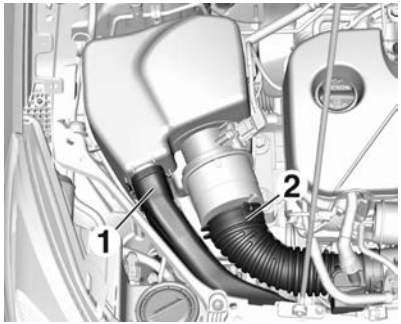
The engine oil level must not exceed the **MAX** mark on the dipstick.

| Caution |
| --- |
| Overfilled engine oil must be drained or suctioned out. |

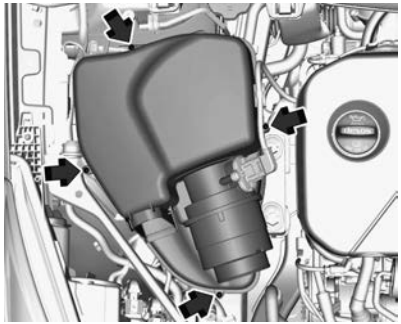
Capacities ⇨ 226.

Fit the cap on straight and tighten it.

## Engine air filter




1. Unclip and remove the air intake duct (1).
2. Loosen the hose clamp and disconnect the air outlet hose (2).



3. Unscrew the 4 screws and remove the air filter housing.

## Engine coolant

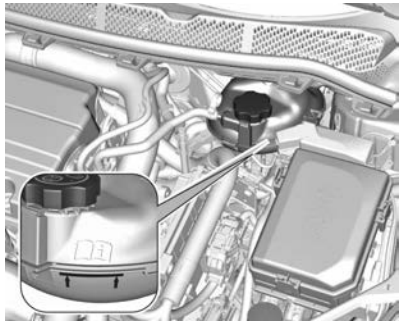
The coolant provides freeze protection down to approx. -28 °C. In cold regions with very low temperatures, the factory filled coolant provides frost protection down to approx. -37 °C.

| Caution |
| --- |
| Only use approved antifreeze. |

Coolant and antifreeze ⇨ 217.

### Coolant level

| Caution |
| --- |
| Too low a coolant level can cause engine damage. |



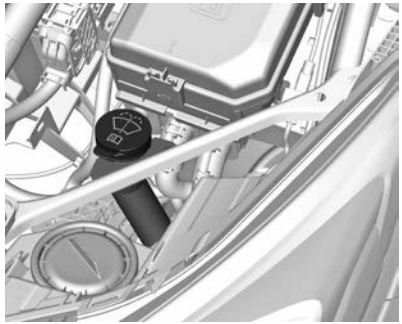
If the cooling system is cold, the coolant level should be above the filling line mark. Top up if the level is low.

**⚠Warning**

Allow the engine to cool before opening the cap. Carefully open the cap, relieving the pressure slowly.

Top up with the recommended coolant ⇨ 217. If no coolant concentrate is available, use clean tap water or distilled water. Install the cap tightly. Have the coolant concentration checked and have the cause of the coolant loss remedied by a Holden dealer.

## Washer fluid



Fill with clean water mixed with a suitable quantity of windscreen washer solution.

Washer fluid ⇨ 217.

## Brakes

In the event of minimum thickness of the brake lining, a squealing noise sounds during braking.

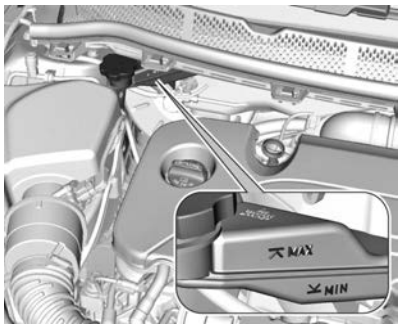
Continued driving is possible but have the brake lining replaced as soon as possible.

Once new brake linings are installed, do not brake unnecessarily hard for the first few journeys.

## Brake fluid

**⚠Warning**

Brake fluid is poisonous and corrosive. Avoid contact with eyes, skin, fabrics and painted surfaces.

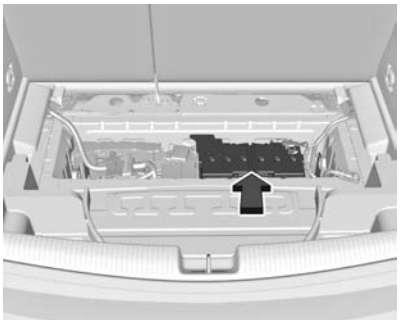



The brake fluid level must be between the **MIN** and **MAX** marks.

If fluid level is below **MIN** seek the assistance of a Holden dealer.

Brake and clutch fluid ⇨ 217.

## Vehicle battery



The vehicle battery is located in the load compartment under the rear floor cover behind the rear seats. Rear floor cover ⇨ 64.

There are connecting points for jump starting in the engine compartment.

Jump starting ⇨ 211.

The vehicle battery is maintenance-free provided that the driving profile allows sufficient charging of the battery. Short-distance-driving and frequent engine starts can discharge the battery. Avoid the use of unnecessary electrical consumers.

Batteries do not belong in household waste. They must be disposed of at an appropriate recycling collection point.

Laying up the vehicle for more than four weeks can lead to battery discharge. Disconnect the clamp from the negative terminal of the vehicle battery.

Ensure the ignition is switched off before connecting or disconnecting the vehicle battery.

Battery discharge protection ⇨ 109.

### Disconnecting the battery

If the vehicle's battery is to be disconnected (e.g. for maintenance work), the alarm siren must be deactivated as follows: Switch the ignition on then off, then disconnect the vehicle's battery within 15 seconds.

### Replacing the vehicle battery

**Note**
Any deviation from the instructions given in this section may lead to temporary deactivation or disturbance of the stop-start system.

When the vehicle battery is being replaced, please ensure that there are no open ventilation holes in the vicinity of the positive terminal. If a ventilation hole is open in this area, it must be closed off with a dummy cap, and the ventilation in the vicinity of the negative terminal must be opened.

Ensure that the battery is always replaced by the same type of battery.

We recommend that you have the vehicle battery replaced by a Holden dealer.

Stop-start system ⇨ 125.

### Charging the vehicle battery

**⚠Warning**

On vehicles with stop-start system, ensure that the charging potential does not exceed 14.6 volts when using a battery charger. Otherwise the vehicle battery might be damaged.

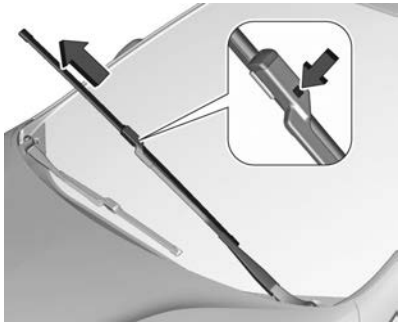
Jump starting ⇨ 211.

### Warning label

Meaning of symbols:

- No sparks, naked flames or smoking.
- Always shield eyes. Explosive gases can cause blindness or injury.
- Keep the vehicle battery out of reach of children.
- The vehicle battery contains sulphuric acid which could cause blindness or serious burn injuries.
- See the Owner's Manual for further information.
- Explosive gas may be present in the vicinity of the vehicle battery.

## Wiper blade replacement

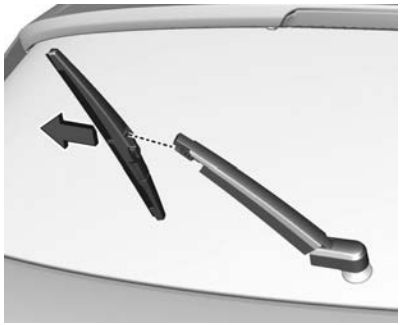


Lift the wiper arm until it stays in the raised position, press button to disengage the wiper blade and remove.

Attach the wiper blade slightly angled to the wiper arm and push until it engages.

Lower wiper arm carefully.

### Wiper blade on the rear window



Lift wiper arm. Disengage wiper blade as shown in illustration and remove.

Attach the wiper blade slightly angled to the wiper arm and push until it engages.

Lower wiper arm carefully.

## Bulb replacement

Switch off the ignition and switch off the relevant switch or close the doors.

Only hold a new bulb at the base. Do not touch the bulb glass with bare hands.

Use only the same bulb type for replacement.

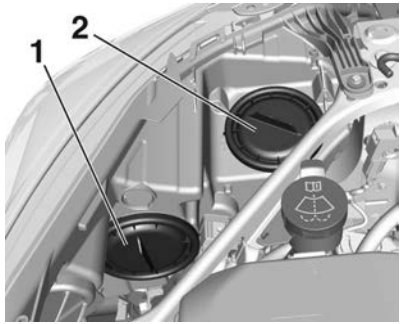
Replace headlight bulbs from within the engine compartment.

### Bulb check

After a bulb replacement switch on the ignition, operate and check the lights.

## Halogen headlights

Halogen headlights with separate bulbs for low beam and high beam.

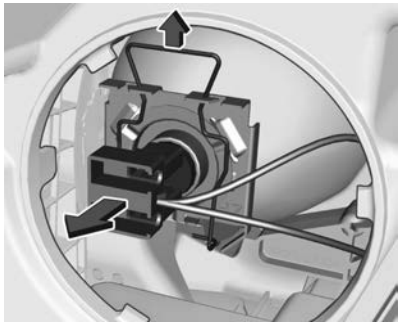



Low beam (**1**) outer bulb.

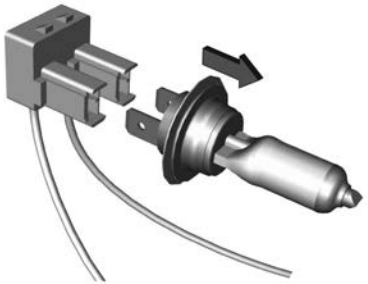
High beam (**2**) inner bulb.

### Low beam (1)

1. Rotate the cap anticlockwise and remove it.

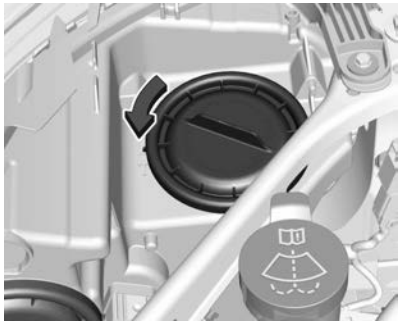


2. Disengage spring clip from retainer by pulling. Withdraw the bulb holder from the reflector housing.



3. Detach the bulb from the bulb holder and replace the bulb.
4. Insert the bulb holder, engaging the two lugs into the reflector housing and rotate clockwise to secure.
5. Push spring clip back in place.
6. Fit the cap and rotate clockwise.

### High beam (2)



1. Rotate the cap anticlockwise and remove it.

2. Disengage spring clip from retainer by moving it forward and to the side. Swivel spring clip downwards.
3. Withdraw the bulb holder from the reflector housing.

4. Detach the bulb from the bulb holder and replace the bulb.
5. Insert the bulb holder and install spring clip.

   Fit the cap and rotate clockwise.

### Front turn signal light

In case of defective LEDs, have them replaced by a Holden dealer.

### Side light

In case of defective LEDs, have them replaced by a Holden dealer.

### Daytime running light

In case of defective LEDs, have them replaced by a Holden dealer.

## LED headlights

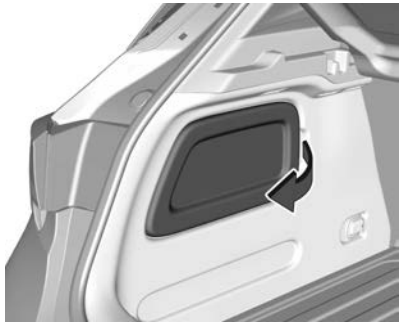
Headlights for low and high beam, sidelights, daytime running lights and turn signal lights are designed as LEDs and can not be changed.

Have lights repaired by a Holden dealer in case of failure.

## Tail lights

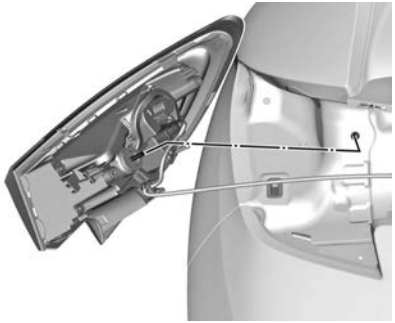
### 5-door Hatchback

Depending on the version, tail lights and brake lights and brake lights are designed as LEDs. In case of failure, have LEDs replaced by a workshop.

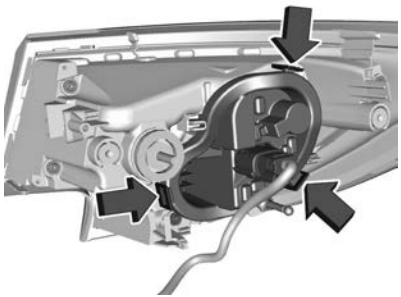


1. Release the cover on the respective side and remove it.

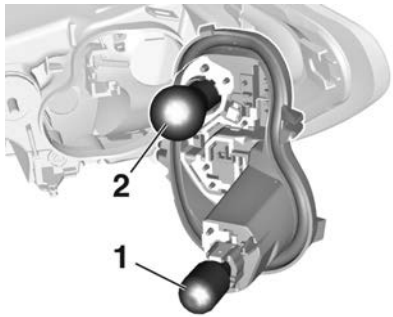
2. Unscrew the plastic securing nut from the inside by hand.



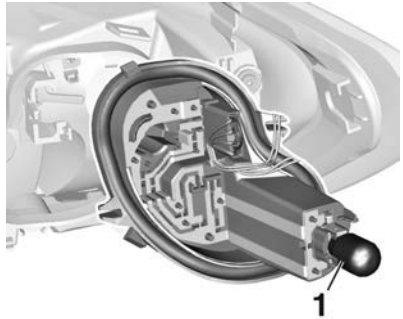
3. Carefully withdraw tail light assembly from recess and remove.
4. Detach the cable from the retainer.



5. Press the three retaining lugs and remove the bulb carrier from the light assembly.




6. Remove and replace the bulbs:
   Turn signal light (**1**)
   Tail light/brake light (**2**)



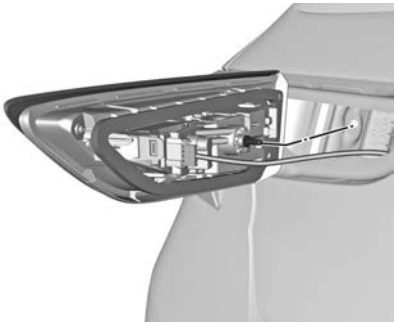

   On version with LED tail lights and LED brake lights, only turn signal light bulb (**1**) can be removed and replaced.
7. Attach the bulb carrier to the light assembly.
8. Attach the cable to the retainer.
9. Attach the light assembly to the vehicle body and tighten the securing nut from the inside of the load compartment. Attach cover.

**Light assembly in the tailgate**

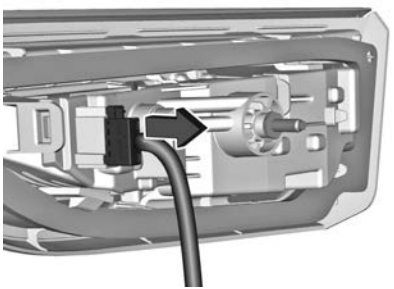
Depending on the version, tail lights and brake lights are designed as LEDs. In case of failure, have LEDs replaced by a workshop.

1. Release the cover in the tailgate and remove it.

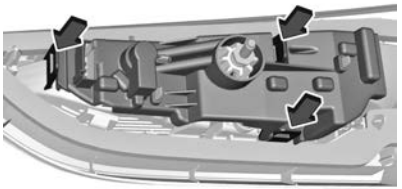
2. Unscrew the plastic securing nut by hand.



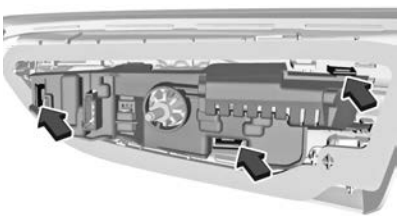
3. Carefully withdraw the light assembly from the recesses and remove.



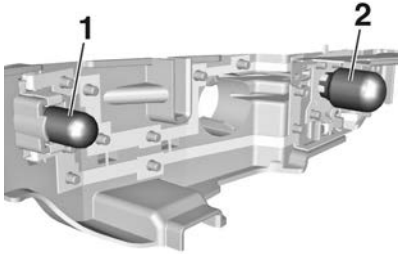
4. Detach the plug from the light assembly.



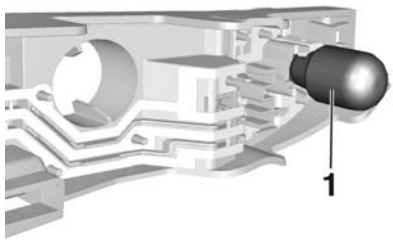
5. Press the three retaining lugs and remove the bulb carrier from the light assembly.



On version with LED tail lights, the position of the retaining lugs is slightly different.




6. Remove and replace the bulb:
   Tail light (**1**)
   Rear fog light (**2**) (right side)
   Reverse light (**2**) (left side)



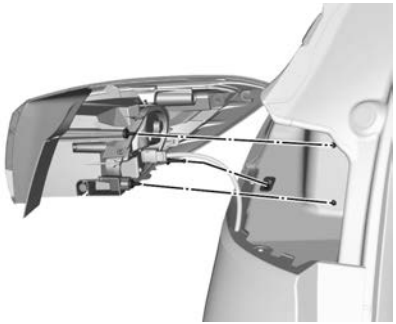

On version with LED tail lights only reverse light bulb (**1**) can be removed and replaced.

7. Insert the bulb carrier into the tail light assembly. Attach plug to the light assembly. Fit light assembly on the tailgate and tighten the screw from the inside. Attach cover.

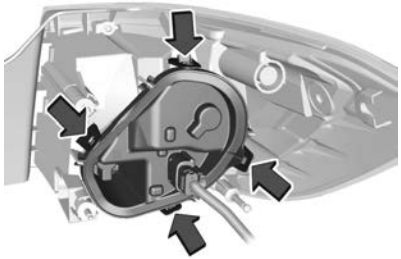
## Sportwagon

1. Release and open the cover on the respective side.

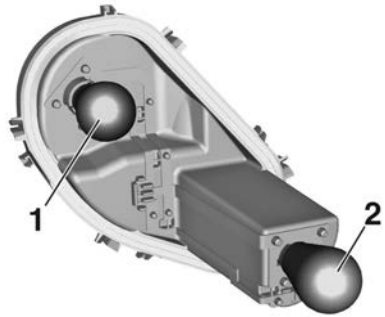
2. Unscrew both plastic securing nuts from the inside by hand.



3. Carefully withdraw tail light assembly from recess and remove.
4. Detach the cable from the retainer.



5. Release the retaining lugs and remove the bulb carrier from the light assembly.




6. Remove and replace the bulbs:

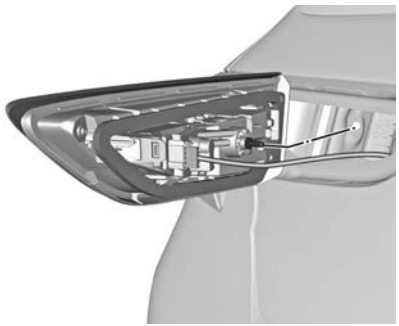
   Tail light/brake light (**1**)

   Turn signal light (**2**)
7. Insert the bulb carrier into the light assembly.
8. Attach the cable to the retainer.
9. Attach the light assembly to the vehicle body and tighten the securing nuts from the inside of the load compartment. Attach cover.

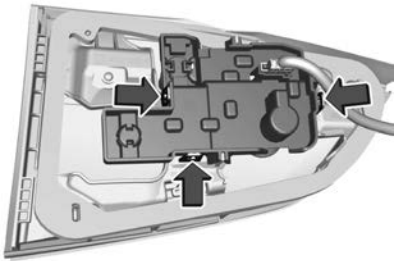
**Light assembly in the tailgate**

1. Release the cover in the tailgate and remove it.

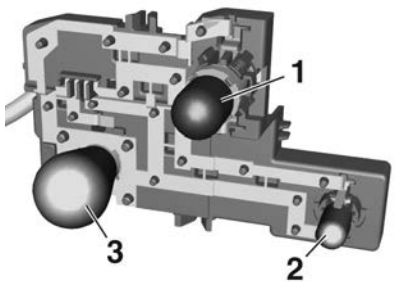
2. Unscrew the plastic securing nut by hand.



3. Carefully withdraw the light assembly from the recesses and remove.



4. Press the three retaining lugs and remove the bulb carrier from the light assembly.




5. Remove and replace the bulb:

   Reverse light (**1**)

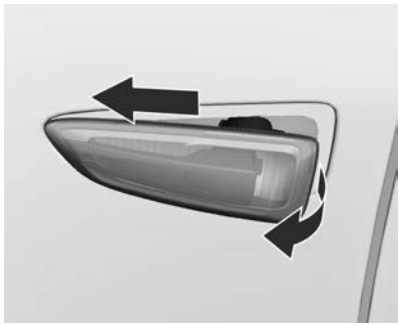
   Tail light (**2**)

   Rear fog light (**3**) (right side)

6. Insert the bulb carrier into the tail light assembly.
7. Fit light assembly on the tailgate and tighten the securing nut from the inside. Attach cover.

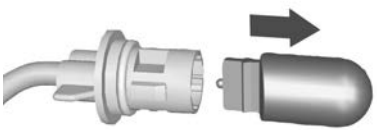
## Side turn signal lights

To replace bulb, remove lamp housing:



1. Slide lamp to its left side and remove with its right end.

2. Turn bulb holder anticlockwise and remove from housing.



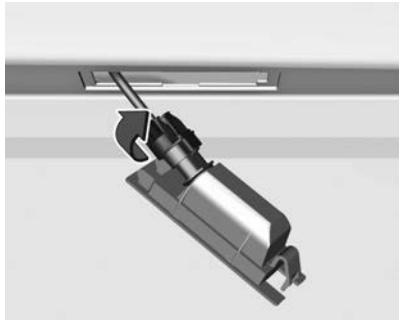
3. Pull bulb from bulb holder and replace it.

4. Insert bulb holder and turn clockwise.
5. Insert left end of the lamp, slide to the left and insert right end.

## Number plate light

Some versions have LED number plate lights. In case of defective LEDs, have them replaced by a Holden dealer.

1. Insert screwdriver in recess of the cover, press to the side and release spring.



2. Remove lamp downwards, taking care not to pull on the cable.
3. Remove bulb holder from lamp housing by turning anticlockwise.

4. Pull bulb from bulb holder and replace it.
5. Insert bulb holder into lamp housing and turn clockwise.
6. Insert lamp into bumper and let engage.

## Interior lights

### Courtesy light, reading lights

Have bulbs replaced by a Holden dealer.

### Load compartment light

Have bulbs replaced by a Holden dealer.

## Instrument panel illumination

Have bulbs replaced by a Holden dealer.

# Electrical system

## Fuses

Data on the replacement fuse must match the data on the defective fuse.

There are three fuse boxes in the vehicle:

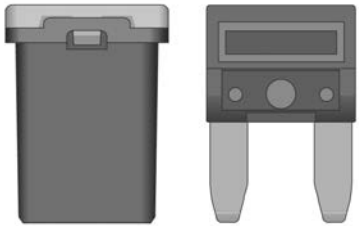
- engine compartment
- instrument panel
- load compartment

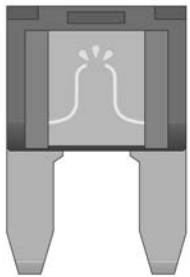
Before replacing a fuse, turn off the respective switch and the ignition.

A blown fuse can be recognized by its melted wire. Do not replace the fuse until the cause of the fault has been remedied.

Some functions are protected by several fuses.

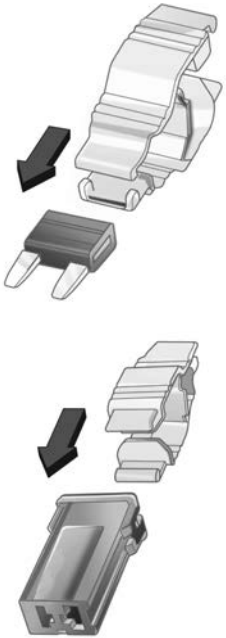
Fuses may also be inserted without existence of a function.





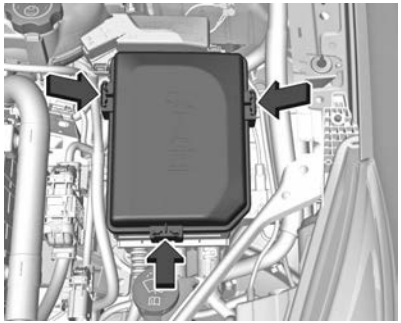
### Fuse extractor

A fuse extractor may be located in the fuse box in the engine compartment.



Place the fuse extractor on the various types of fuse from the top or side, and withdraw fuse.

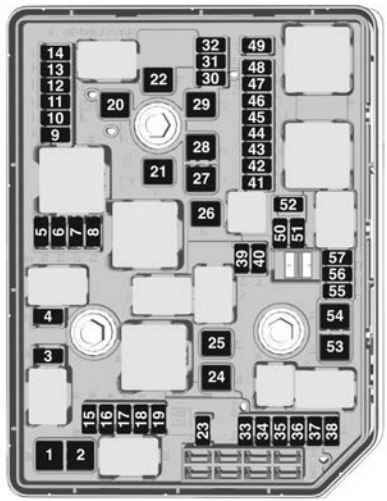
## Engine compartment fuse box



The fuse box is in the front left of the engine compartment.

Disengage the cover and remove it.

**Note**
Not all fuses may be fitted.



| No. | Circuit |
|---|---|
| 1 | Starter |
| 2 | Starter |
| 3 | Exhaust sensor |
| 4 | Engine control module |
| 5 | Engine functions/Aeroshutter |
| 6 | Transmission control module |
| 7 | – |
| 8 | Engine control module |
| 9 | Climate control system |
| 10 | Diesel exhaust system |
| 11 | Tailgate locking system, Transmission |
| 12 | Seat lumbar massage |
| 13 | After boil pump |
| 14 | Diesel exhaust system |
| 15 | Exhaust sensor |
| 16 | Fuel injection |
| 17 | Fuel injection |
| 18 | Diesel exhaust system |
| 19 | Diesel exhaust system |
| 20 | – |
| 21 | – |
| 22 | ABS |
| 23 | Washer system for windscreen and rear window |
| 24 | Washer Headlamp |
| 25 | Mirror defrost |
| 26 | Transmission control module |
| 27 | Power tailgate module |
| 28 | – |
| 29 | Heated rear window |
| 30 | Mirror defrost |
| 31 | Anti theft warning module |
| 32 | DC transformer/LED display/ Electrical heater/Climate control/Glow plug controller |
| 33 | Anti theft warning horn |
| 34 | Horn |
| 35 | Power outlet load compartment |
| 36 | Right high beam (Halogen)/ Right low beam (LED) |
| 37 | Left high beam (Halogen) |
| 38 | LED headlight/Automatic headlight range adjustment |
| 39 | – |
| 40 | Central Gateway Module |
| 41 | Water in fuel sensor/Water pump |
| 42 | Manual headlight range adjustment |
| 43 | Fuel pump |
| 44 | Rear view camera/Inside rear view mirror/Trailer module |
| 45 | LED headlight left/Automatic headlight range adjustment left |

| No. | Circuit |
|---|---|
| 46 | Instrument cluster |
| 47 | Steering column lock |
| 48 | Rear wiper |
| 49 | Outside rearview mirror |
| 50 | LED headlight right/Automatic headlight range adjustment right |
| 51 | Left low beam (LED) |
| 52 | Engine control module/Transmission control module |
| 53 | – |
| 54 | Windscreen wiper |
| 55 | Diesel exhaus system |
| 56 | – |
| 57 | – |

After having changed defective fuses, close the fuse box cover and press until it engages.

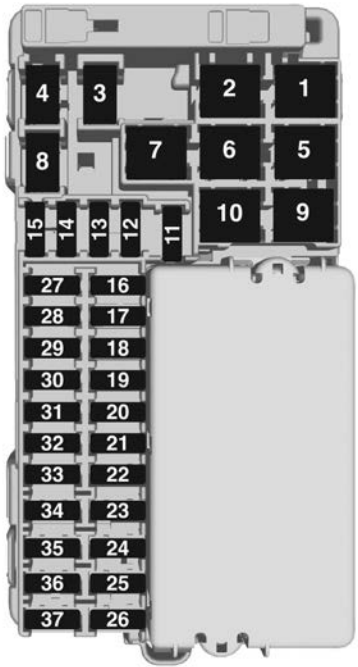
If the fuse box cover is not closed correctly, malfunction may occur.

## Instrument panel fuse box

The fuse box is located behind a cover.

Pull the cover and remove.

**Note**
Not all fuses may be fitted.

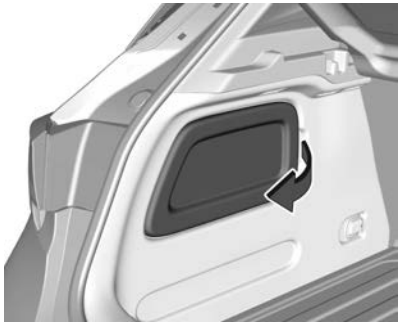


| No. | Circuit |
|---|---|
| 1 | – |
| 2 | Climate control system, fan |
| 3 | Power seat driver side |
| 4 | Cigarette lighter/Power outlet front |
| 5 | – |
| 6 | Power window front |
| 7 | ABS |
| 8 | Heated steering wheel |
| 9 | Body control module 8 |
| 10 | Power window rear |
| 11 | Sunroof |
| 12 | Body control module 4 |
| 13 | Seat heating (only on vehicles without alarm horn) |
| 14 | Exterior mirror |
| 15 | Body control module 1 |
| 16 | Body control module 7 |
| 17 | Body control module 6 |
| 18 | Body control module 3 |
| 19 | Data link connector |
| 20 | Airbag system |
| 21 | Climate control system |
| 22 | Central locking system, tailgate |
| 23 | Electronic key system |
| 24 | Power seat memory function |
| 25 | Airbag system steering wheel |
| 26 | Ignition switch/Steering column lock |
| 27 | Body control module 2 |
| 28 | USB socket |
| 29 | – |
| 30 | Selector lever |
| 31 | Rear window wiper |
| 32 | Transmission control module |
| 33 | Anti-theft alarm system/Power sounder |
| 34 | Parking assist/Side blind spot alert/Infotainment system/USB socket |
| 35 | OnStar |
| 36 | Info display/Instrument cluster/ CD player |
| 37 | Infotainment system, radio |

After having changed defective fuses, close the fuse box cover and press until it engages.

## Load compartment fuse box

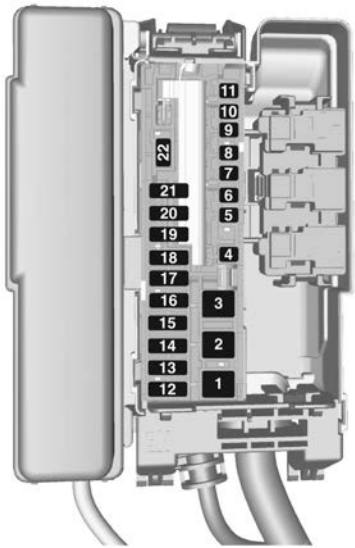
The fuse box is located on the left side of the load compartment behind a cover.



Remove the cover.

Disengage the fuse box cover and remove it.

**Note**
Not all fuses or this fusebox may not be fitted.

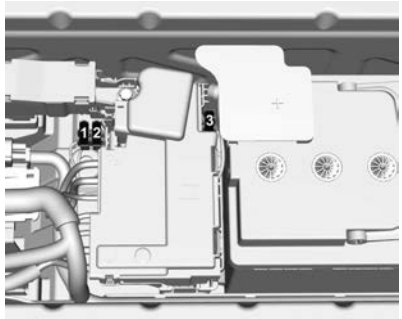



| No. | Circuit |
|---|---|
| 1 | – |
| 2 | – |
| 3 | Trailer module |
| 4 | Power seat passenger side |
| 5 | – |
| 6 | Distance warning module |
| 7 | – |
| 8 | – |
| 9 | Rear seat heating (on vehicles without alarm horn) |
| 10 | Service |
| 11 | – |
| 12 | Front seat heating (on vehicles with alarm horn) |
| 13 | Rear seat heating (on vehicles without alarm horn) |
| 14 | Ignition |
| 15 | Seat ventilation |

| No. | Circuit |
|---|---|
| 16 | Trailer outlet |
| 17 | Trailer outlet |
| 18 | – |
| 19 | – |
| 20 | – |
| 21 | Electrical rear seat folding |
| 22 | – |

After having changed defective fuses, close the fuse box cover and press until it engages.

Additional fuses are located near the vehicle battery.



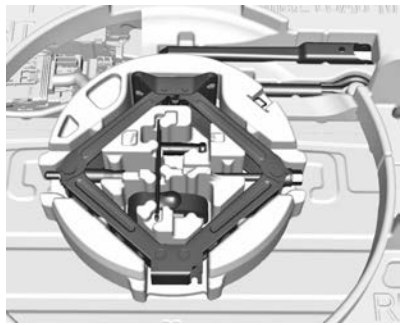

| No. | Circuit |
|---|---|
| 1 | Fuel pump |
| 2 | Engine control module |
| 3 | Power supply |

# Vehicle tools

## Tools

### 5-door hatchback with spare wheel

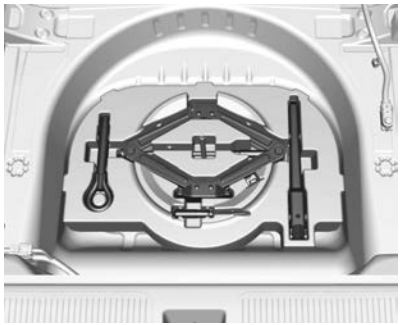
Open the floor cover of the load compartment ⇨ 64.



The jack, the towing eye, a strap for securing a damaged wheel and the tools are located in the tool box below the spare wheel. Spare wheel ⇨ 209.

### Sportwagon with spare wheel

Open the floor cover of the load compartment ⇨ 64.



The jack, the towing eye and the tools are located in the tool box below the spare wheel. Spare wheel ⇨ 209.

# Wheels and tyres

### Tyre condition, wheel condition

Drive over edges slowly and at right angles if possible. Driving over sharp edges can cause tyre and wheel damage. Do not trap tyres on the kerb when parking.

Regularly check the wheels for damage. Seek the assistance of a Holden dealer in the event of damage or unusual wear.

## Tyre pressure

Check the pressure of cold tyres at least every 14 days and before any long journey. Do not forget the spare wheel.

Tyre pressure ⇨ 227.

The tyre pressure information label on the left door frame indicates the original equipment tyres and the correspondent tyre pressures.

The tyre pressure data refers to cold tyres.

Always inflate the spare tyre to the pressure specified for full load.

The ECO tyre pressure serves to achieve the smallest amount of fuel consumption possible.

Incorrect tyre pressures will impair safety, vehicle handling, comfort and fuel economy and will increase tyre wear.

Tyre pressures differ depending on various options.

The driver is responsible for correct adjustment of tyre pressure.

**⚠Warning**

If the pressure is too low, this can result in considerable tyre warm-up and internal damage, leading to tread separation and even to tyre blow-out at high speeds.

**⚠Warning**

For specific tyres the recommended tyre pressure as shown in the tyre pressure table may exceed the maximum tyre pressure as indicated on the tyre. Never exceed the maximum tyre pressure as indicated on the tyre.

### Temperature dependency

The tyre pressure depends on the temperature of the tyre. During driving, tyre temperature and pressure increase. Tyre pressure values provided on the tyre information label and tyre pressure chart are valid for cold tyres, which means at 20 °C.

The pressure increases by nearly 10 kPa for a 10 °C temperature increase. This must be considered when warm tyres are checked.

## Tread depth

Check tread depth at regular intervals.

Tyres should be replaced for safety reasons when

1. The tyres are worn to the point where the tread indicators as shown, appear or the cord or fabric is showing.
2. The tread or side wall is cut, split, or cracked deep enough to expose the cord or fabric.
3. The tyre has a bump or bulge in it, indicating some kind of internal damage.
4. The tyre has a puncture, cut or other damage which cannot be repaired because of the size or location of the damage. If in doubt about the extent of the damage to the tyre, have it removed from the wheel and examined by a tyre specialist.

The legally permissible minimum tread depth (1.6 mm) has been reached when the tread has worn down as far as one of the tread wear indicators (TWI). Their position is indicated by markings on the sidewall.

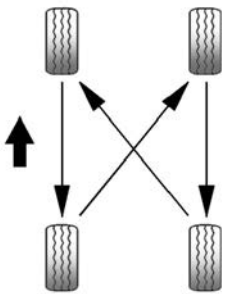
If there is more wear at the front than the rear, swap round front wheels and rear wheels periodically. Ensure that the direction of rotation of the wheels remains the same.

Tyres age, even if they are not used. We recommend tyre replacement every six years.

## Tyre rotation

It is recommended that you rotate tyres at every scheduled maintenance service.

Driving conditions, driving techniques, vehicle loading and weather may warrant more frequent tyre checks and rotation.



Front and rear tyres can wear differently depending on:

- types of roads driven on
- driving habits
- tyre pressures
- wheel alignment and balance

New tyres should be fitted in pairs to the front. If replacing only one tyre, pair it on the same axle with the least worn of the other three.

## Changing tyre and wheel size

If tyres of a different size than those fitted at the factory are used, it may be necessary to reprogramme the speedometer as well as the nominal tyre pressure and make other vehicle modifications.

After converting to a different tyre size, have the label with tyre pressures replaced.

Furthermore, the advanced parking assist must be calibrated ⇨ 157.

**⚠ Warning**

Use of unsuitable tyres or wheels may lead to accidents and will invalidate the vehicle type approval.

## Tyre chains

**⚠ Warning**

Holden only recommends use of tyre chains on 16” wheels.

Due to limited tyre clearances, tyre chains may cause damage to your vehicle. Fitment of tyre chains is at the risk of the owner.

If you choose to fit tyre chains you should:

- observe all local regulations and advice regarding the use of tyre chains
- use a correctly sized, well fitted, diamond pattern tyre chain
- not exceed speed of 30 km/h

- stop the vehicle in the event of any unusual noise
- check the tyres are inflated to the correct pressure ⇨ 227.

Whenever tyre chans are fitted switch off the electronic stability control ⇨ 137.

## Wheel changing

**⚠ Warning**

All passengers must be out of the vehicle when it is being jacked.

Only jack the vehicle on hard, level surfaces.

Ensure moving parts of the jack are adequately lubricated before use.

Use the jack only at the designated lifting points. Use in other locations may result in the vehicle falling off the jack, or damage to the vehicle.

If using a jack (or hoist) other than the jack supplied with the vehicle, refer to the following pages in this chapter for the correct lifting positions.

Do not start or run the engine while the vehicle is supported by the jack.

Use the jack only for lifting the vehicle when changing wheels.

Do not get under a vehicle that is supported by a jack. No person should place any portion of their body under a vehicle that is supported by a jack.

Vehicles with alloy wheels may have a steel spare wheel. Drive carefully and do not exceed 80 km/h when a combination of alloy and steel wheels are fitted on the vehicle. Although the spare tyre was fully inflated when the vehicle was new, it can lose air over time. Check the inflation pressure regularly. After installing the spare wheel on the vehicle, stop as soon as possible to check the inflation pressure is correct.

Have the flat tyre repaired or replaced and installed back on the vehicle as soon as possible.

Make the following preparations and observe the following information:

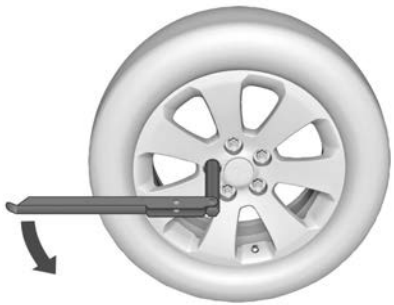
- Park the vehicle on a level, firm and non-skid surface. The front wheels must be in the straight-ahead position.
- Apply the parking brake and engage first gear, reverse gear or **P**.
- Chock the wheel diagonally opposite the flat tyre with a suitable solid object.
- Remove the spare wheel ⇨ 209.
- Never change more than one wheel at once.
- Use the jack only to change wheels in case of puncture.
- The jack is maintenance-free.
- If the ground on which the vehicle is standing is soft, a solid board (max. one cm thick) should be placed under the jack.

- Take heavy objects out of the vehicle before jacking up.
- No people or animals may be in the vehicle when it is jacked-up.
- Never crawl under a jacked-up vehicle.
- Do not start the vehicle when it is raised on the jack.
- Clean wheel nuts and thread with a clean cloth before mounting the wheel.

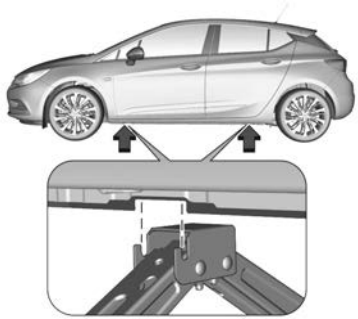
**⚠Warning**

Do not grease wheel bolt, wheel nut and wheel nut cone.

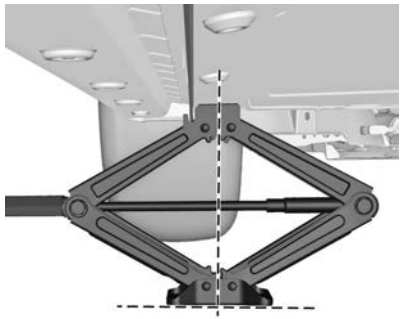
1. Disengage wheel nut caps with a screwdriver and remove. For alloy wheels, place a soft cloth underneath the screwdriver. Vehicle tools ⇨ 202.



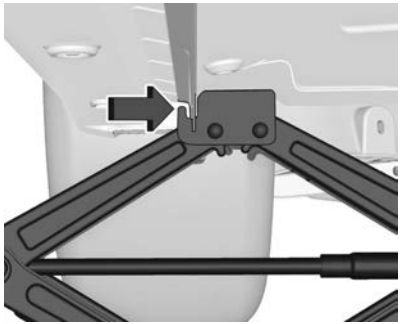
2. Fold out the wheel wrench and install ensuring that it locates securely and loosen each wheel nut by half a turn.



3. Ensure the jack is correctly positioned under the relevant vehicle jacking point.



4. Set the jack to the necessary height. Position it directly below the jacking point in a manner that prevents it from slipping.



Ensure that the edge of the body fits into the notch of the jack.

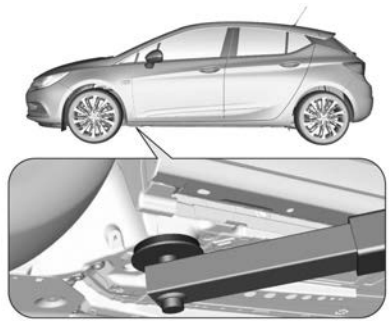
Attach wheel wrench and with the jack correctly aligned rotate wheel wrench until wheel is clear of the ground. Do not raise the jack any further.

5. Unscrew the wheel nuts.
6. Change the wheel. Spare wheel ⇨ 209.
7. Screw on the wheel nuts.
8. Lower the vehicle and remove jack.
9. Install the wheel wrench ensuring that it is securely located and tighten each nut in a crosswise sequence. Tightening torque is 140 Nm.
10. Install wheel nut caps.
11. Stow the replaced wheel ⇨ 209 and the vehicle tools ⇨ 202.
12. Check the tyre pressure of the installed tyre and the wheel nut torque as soon as possible.

Have the defective tyre renewed or repaired as soon as possible.

## Jacking position for lifting platform

Rear arm position of the lifting platform under the rear recess of the sill.



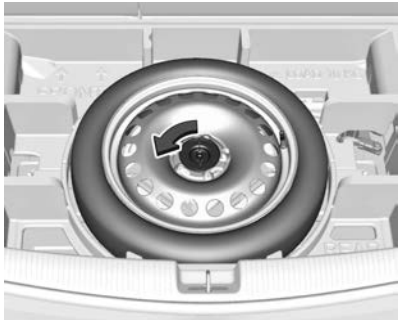
Front arm position of the lifting platform at the underbody.

## Spare wheel

If mounting a spare wheel which is different from the other wheels, this wheel is classified as a temporary spare wheel and the corresponding speed limits apply. A label indicates this. Seek the assistance of a Holden dealer to check the applicable speed limit.

The spare wheel has a steel rim.

| Caution |
| --- |
| The use of a spare wheel that is smaller than the other wheels could affect driveability. Have the defective tyre replaced as soon as possible. |



The spare wheel is located in the load compartment beneath the floor covering.

To remove:

1. Open the floor cover ⇨ 64.
2. The spare wheel is secured with a wing nut. Unscrew nut and take out the spare wheel.

   Under the spare wheel there is the box with vehicle tools.
3. When, after a wheel change, no wheel is placed in the spare wheel well, secure the tool box by tightening the wing nut as far as it will go and close floor cover.
4. After wheel change back to full size wheel, place the spare wheel in the well and secure with the wing nut:

   5-door Hatchback: Outside up

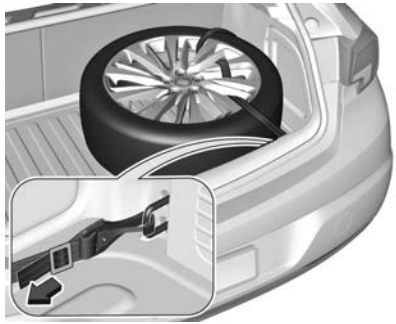
   Sportwagon: Outside down.

### Stowing a damaged full size wheel in the load compartment

The spare wheel well is not designed for other tyre sizes than the spare wheel. A damaged full size wheel must be stowed in the load compartment and secured with a strap. Vehicle tools ⇨ 202. To secure the wheel:

1. Position the wheel facing upwards close to one sidewall of the load compartment.

2. Place the loop end of the strap through the front lashing eye on the appropriate side.
3. Place the hook end of the strap through the loop and pull it until the strap is fastened securely to the lashing eye.



4. Insert the strap through the spokes of the wheel as shown in the illustration.
5. Mount the hook to the rear lashing eye.
6. Tighten the strap and secure it using the buckle.

**⚠Danger**

Always drive with folded up and engaged rear seat backrests when stowing a damaged full size wheel in the load compartment.

## Temporary spare wheel

**Caution**

The use of a spare wheel that is smaller than the other wheels or in combination with winter tyres could affect driveability. Have the defective tyre replaced as soon as possible.

Only mount one temporary spare wheel. Do not drive faster than 80 km/h. Take curves slowly. Do not use for a long period of time.

If your vehicle gets a flat tyre on the rear while towing another vehicle, mount the temporary spare wheel in the front and the full tyre in the rear.

Tyre chains ⇨ 205.

# Jump starting

The vehicle battery is located in the load compartment under a cover. There are connecting points for jump starting in the engine compartment.

A vehicle with a discharged vehicle battery can be started using jump leads and the vehicle battery of another vehicle.

Do not start with quick charger.

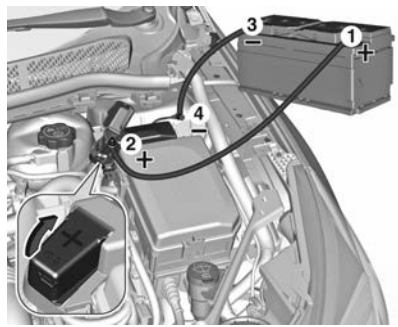
**⚠Warning**

Be extremely careful when starting with jump leads. Any deviation from the following instructions can lead to injuries or damage caused by battery explosion or damage to the electrical systems of both vehicles.

**⚠Warning**

Avoid contact of the battery with eyes, skin, fabrics and painted surfaces. The fluid contains sulphuric acid which can cause injuries and damage in the event of direct contact.

- Never expose the vehicle battery to naked flames or sparks.
- A discharged vehicle battery can already freeze at a temperature of 0 °C. Defrost the frozen vehicle battery before connecting jump leads.
- Wear eye protection and protective clothing when handling a vehicle battery.
- Use a booster vehicle battery with the same voltage (12 Volt). Its capacity (Ah) must not be much less than that of the discharged vehicle battery.
- Use jump leads with insulated terminals and a cross section of at least 16 $mm^2$.
- Do not disconnect the discharged vehicle battery from the vehicle.
- Switch off all unnecessary electrical consumers.
- Do not lean over the vehicle battery during jump starting.
- Do not allow the terminals of one lead to touch those of the other lead.
- The vehicles must not come into contact with each other during the jump starting process.
- Apply the parking brake, transmission in neutral, automatic transmission in **P**.
- Open the positive terminal protection cap of your vehicle in the engine compartment and of the booster vehicle battery.



Lead connection order:

1. Connect the red lead to the positive terminal of the booster vehicle battery.
2. Connect the other end of the red lead to the positive terminal of your vehicle near the fuse box in the engine compartment.
3. Connect the black lead to the negative terminal of the booster vehicle battery.
4. Connect the other end of the black lead to a vehicle grounding point of your vehicle in the engine compartment.

Route the leads so that they cannot catch on rotating parts in the engine compartment.

To start the engine:

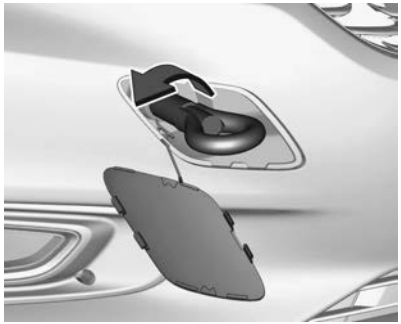
1. Start the engine of the vehicle providing the jump.
2. After five minutes, start the other engine. Start attempts should be made for no longer than 15 seconds at an interval of one minute.
3. Allow both engines to idle for approx. three minutes with the leads connected.
4. Switch on electrical consumers (e.g. headlights, heated rear window) of the vehicle receiving the jump start.
5. Reverse above sequence exactly when removing leads.

# Towing

## Towing the vehicle

Insert a screwdriver in the slot at the lower part of the cap. Release the cap by carefully moving the screwdriver downwards.

The towing eye is stowed with the vehicle tools ⇨ 202.



Screw in the towing eye as far as it will go until it stops in a horizontal position.

Attach a tow rope – or better still a tow rod – to the towing eye.

The towing eye must only be used for towing and not for recovering the vehicle.

Switch on ignition to release steering wheel lock and to permit operation of brake lights, horn and windscreen wiper.

Switch the selector lever to neutral.

Release the parking brake.

| Caution |
| --- |
| Drive slowly. Do not drive jerkily. Excessive tractive force can damage the vehicle. |

When the engine is not running, considerably more force is needed to brake and steer.

To prevent the entry of exhaust gases from the towing vehicle, switch on the air recirculation and close the windows.

Vehicles with automatic transmission: The vehicle must be towed facing forwards, not faster than 80 km/h nor further than 100 km. In all other cases and when the transmission is defective, the front axle must be raised off the ground.

Seek the assistance of a Holden dealer.

After towing, unscrew the towing eye.

Insert cap at the top and engage downwards.

## Towing another vehicle

Insert a screwdriver in the slot at the lower bend of the cap. Release the cap by carefully moving the screwdriver downwards.

The towing eye is stowed with the vehicle tools ⇨ 202.

Screw in the towing eye as far as it will go until it stops in a horizontal position.

The lashing eye at the rear underneath the vehicle must never be used as a towing eye.

Attach a tow rope – or even better a tow bar – to the towing eye.

The towing eye must only be used for towing and not for recovering a vehicle.

| Caution |
| --- |
| Drive slowly. Do not drive jerkily. Excessive tractive force can damage the vehicle. |

After towing, unscrew the towing eye.

Insert cap at the top and engage downwards.

# Appearance care

## Exterior care

### Locks

The locks are lubricated at the factory using a high quality lock cylinder grease. Use de-icing agent only when absolutely necessary, as this has a degreasing effect and impairs lock function. After using a de-icing agent, have the locks regreased by a Holden dealer.

### Washing

The paintwork of your vehicle is exposed to environmental influences. Wash and wax your vehicle regularly. When using automatic vehicle washes, select a programme that includes waxing.

Bird droppings, dead insects, resin, pollen and the like should be cleaned off immediately, as they contain aggressive constituents which can cause paint damage. Road bloom is a gradual build up of road and environmental grime. This should be

removed with a paint cleaner product, in addition to normal washing, on an annual basis.

If using a vehicle wash, comply with the vehicle wash manufacturer's instructions. The windscreen wiper and rear window wiper must be switched off. Remove antenna and external accessories such as roof racks etc.

If you wash your vehicle by hand, make sure that the insides of the wheel housings are also thoroughly rinsed out.

Clean edges and folds on opened doors and the bonnet as well as the areas they cover.

Clean bright metal mouldings with a cleaning solution approved for aluminium to avoid damages.

**Caution**

Always use a cleaning agent with a pH value of four to nine.

Do not use cleaning agents on hot surfaces.

Have the door hinges of all doors greased by a Holden dealer.

**⚠Warning**

Do not clean the engine compartment with a steam-jet or high-pressure jet cleaner.

Thoroughly rinse and leather-off the vehicle. Rinse leather frequently. Use separate leathers for painted and glass surfaces: remnants of wax on the windows will impair vision.

Do not use hard objects to remove spots of tar. Use tar removal spray on painted surfaces.

## Exterior lights

Headlight and other light covers are made of plastic. Do not use any abrasive or caustic agents, do not use an ice scraper, and do not clean them dry.

## Polishing and waxing

Wax the vehicle regularly (at the latest when water no longer beads). Otherwise, the paintwork will dry out.

Polishing is necessary only if the paint has become dull or if solid deposits have become attached to it.

Paintwork polish with silicone forms a protective film, making waxing unnecessary.

Plastic body parts must not be treated with wax or polishing agents.

## Windows and windscreen wiper blades

Use a soft lint-free cloth or chamois leather together with window cleaner and insect remover.

When cleaning the rear window from inside, always wipe in parallel to the heating element to prevent damage.

Remove dirt residues from smearing wiper blades by using a soft cloth and window cleaner. Also make sure to remove any residues such as wax, insect residues and similar from the window.

Pollution and continuous wiping on dry windows will damage or even destroy the wiper blades.

### Sunroof

Never clean with solvents or abrasive agents, fuels, aggressive media (e.g. paint cleaner, acetone-containing solutions etc.), acidic or highly alkaline media or abrasive pads. Do not apply wax or polishing agents to the sunroof.

### Wheels and tyres

Do not use high-pressure jet cleaners.

Clean rims with a pH-neutral wheel cleaner.

Rims are painted and can be treated with the same agents as the body.

### Paintwork damage

Rectify minor paintwork damage with a touch-up pen before rust forms. Have more extensive damage or rust areas repaired by a Holden dealer.

### Underbody

Some areas of the vehicle underbody have a PVC undercoating while other critical areas have a durable protective wax coating.

After the underbody is washed, check the underbody and have it waxed if necessary.

Bitumen/rubber materials could damage the PVC coating. Have underbody work carried out by a Holden dealer.

Before and after winter, wash the underbody and have the protective wax coating checked.

## Interior care

### Interior and upholstery

Only clean the vehicle interior, including the instrument panel fascia and panelling, with a dry cloth or interior cleaner.

Clean the leather upholstery with clear water and a soft cloth. In case of heavy soiling, use leather care.

The instrument cluster and the displays should only be cleaned using a soft damp cloth. If necessary use a weak soap solution.

Clean fabric upholstery with a vacuum cleaner and brush. Remove stains with an upholstery cleaner.

Clothing fabrics may not be colourfast. This could cause visible discolourations, especially on light-coloured upholstery. Removable stains and discolourations should be cleaned as soon as possible.

Clean seat belts with lukewarm water or interior cleaner.

**Caution**

Close Velcro fasteners as open Velcro fasteners on clothing could damage seat upholstery.

The same applies to clothing with sharp-edged objects, like zips or belts or studded jeans.

### Plastic and rubber parts

Plastic and rubber parts can be cleaned with the same cleaner as used to clean the body. Use interior cleaner if necessary. Do not use any other agent. Avoid solvents and petrol in particular. Do not use high-pressure jet cleaners.

# Service and maintenance

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Service information ..... 217
**Recommended fluids, lubricants and parts** ..... **217**
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# General information

## Service information

In order to ensure economical and safe vehicle operation and to maintain the value of your vehicle, it is of vital importance that all maintenance work is carried out at the proper intervals as specified.

The detailed, up-to-date service schedule for your vehicle is available at your Holden dealer.

See your service booklet for the service schedules and for more information.

### Service interval with remaining engine oil life duration

The service interval is based on several parameters depending on usage.

The service display lets you know when to change the engine oil.

Service display ⇨ 82.

# Recommended fluids, lubricants and parts

## Recommended fluids and lubricants

Only use products that meet the recommended specifications.

**⚠Warning**

Operating materials are hazardous and could be poisonous. Handle with care. Pay attention to information given on the containers.

### Engine oil

Engine oil is identified by its quality and its viscosity. Quality is more important than viscosity when selecting which engine oil to use. The oil quality ensures e.g. engine cleanliness, wear protection and oil aging control, whereas viscosity grade gives information on the oil's thickness over a temperature range.

dexos1® Gen2 = 1.4L petrol engine

dexos2® = 1.6L petrol engine

**Selecting the right engine oil**

Selecting the right engine oil depends on the proper oil specification and viscosity grade.

Use and ask for engine oils with the dexos certification mark. Oils meeting the requirements of your vehicle should have the dexos certification mark on the container. This certification mark indicates that the oil has been approved to the dexos specification.

Your vehicle was filled at the factory with dexos approved engine oil.

Use only engine oil that is approved to the dexos specification or an equivalent engine oil of the appropriate viscosity grade.

If you are unsure whether your oil is approved to the dexos specification, ask your service provider.

Use of substitute engine oils if dexos is unavailable: In the event that dexos approved engine oil is not available at an oil change or for maintaining proper oil level, you may use substitute engine oil of the qualities mentioned above. Use of oils that do not meet the dexos specification, however, may result in reduced performance or engine damage under certain circumstances.

**Topping up engine oil**

| Caution |
| --- |
| In case of any spilled oil, wipe it up and dispose it properly. |

Engine oils of different manufacturers and brands can be mixed as long as they comply with the required engine oil quality and viscosity.

Use of engine oils for all petrol engines with only ACEA quality is prohibited, since it can cause engine damage under certain operating conditions.

**Additional engine oil additives**

The use of additional engine oil additives could cause damage and invalidate the warranty.

**Engine oil viscosity grades**

The SAE viscosity grade gives information of the thickness of the oil.

Multigrade oil is indicated by two figures, e.g. SAE 5W-30. The first figure, followed by a W, indicates the low temperature viscosity and the second figure the high temperature viscosity.

Select the appropriate viscosity grade depending on the minimum ambient temperature ⇨ 222.

All of the recommended viscosity grades are suitable for high ambient temperatures.

## Coolant and antifreeze

Use only organic acid type-long life coolant (LLC) antifreeze approved for the vehicle. Consult a Holden dealer.

The system is factory filled with coolant designed for excellent corrosion protection and frost protection down to approx. -28 °C. This concentration should be maintained all year round. The use of additional coolant additives that intend to give additional corrosion

protection or seal against minor leaks can cause function problems. Liability for consequences resulting from the use of additional coolant additives will be rejected.

### Washer fluid

Use only washer fluid approved for the vehicle to prevent damage of wiper blades, paintwork, plastic and rubber parts. Consult a Holden dealer.

### Brake and clutch fluid

Over time, brake fluid absorbs moisture which will reduce braking effectiveness. The brake fluid should therefore be replaced at the specified interval.

**⚠Warning**

Using brake fluid other than GM recommended brake fluid may cause corrosion to components of the braking system and reduced braking performance.

Use only new brake fluid. Use of old, used or inferior brake fluid may endanger the functioning of the brake system.

### Automatic transmission fluid

Only use Dexron VI fluid.

# Technical data

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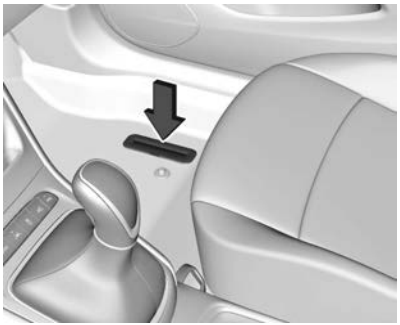
# Vehicle identification

## Vehicle Identification Number



The Vehicle Identification Number may be stamped on the identification plate and on the floor pan, under the floor covering, visible under a cover.

The Vehicle Identification Number may be embossed on the instrument panel, visible through the windscreen, or in the engine compartment on the right body panel.

## Identification plate

The identification plate is located on the front door frame.

Information on identification label:

1 : Approval number
2 : Manufacturer
3 : Category
4 : Number of seats
5 : Vehicle identification number
6 : Compliance date

The combined total of front and rear axle loads must not exceed the permissible gross vehicle weight. For example, if the front axle is bearing its maximum permissible load, the rear axle can only bear a load that is equal to the gross vehicle weight minus the front axle load.

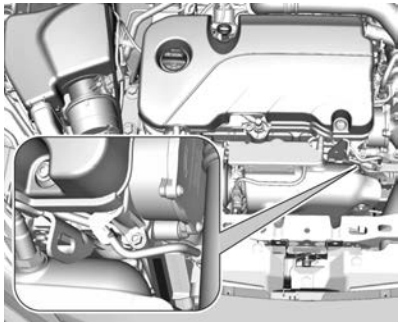
The technical data is determined in accordance with European Community standards. We reserve the right to make modifications. Specifications in the vehicle documents always have priority over those given in this manual.

## Build date label

The build date label is located in the front part of the engine compartment.

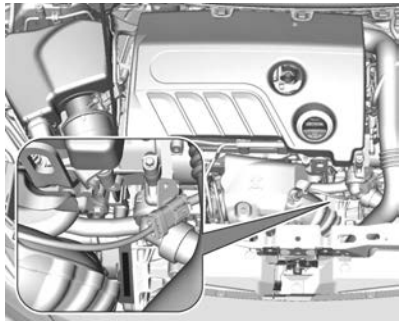
## Engine serial number

### 1.4L Petrol engine



The engine serial number is located in the front part of the engine compartment.

### 1.6L Petrol engine



# Vehicle data

## Recommended fluids and lubricants

### Required engine oil quality

| Engine | Oil quality | Oil grade |
|---|---|---|
| 1.4L Petrol | dexos1® Gen2 | SAE 5W-30 |
| 1.6L Petrol | dexos2® | SAE 5W-30 or 0W-20 |

# Engine data

| Engine | 1.4L | 1.6L |
|---|---|---|
| Piston displacement [$cm^3$] | 1399 | 1598 |
| Engine power [kW] | Refer to www.holden.com.au | |
| Torque [Nm] | Refer to www.holden.com.au | |
| Fuel type | Petrol | Petrol |
| Octane rating RON | | |
| recommended | 91 | 95 |
| possible | 95 | 98 |
| possible | 98 | – |

# Vehicle weight

## Maximum vehicle payloads

### 5-door Hatchback

| Engine | Occupants (average 68 kg each) | Luggage (kg) | Total load (kg) |
|---|---|---|---|
| 1.4L | 5 | 68 | 408 |
| 1.6L | 5 | 68 | 408 |

Sportwagon

| Engine | Variant | Occupants (average 68 kg each) | Luggage (kg) | Total load (kg) |
|---|---|---|---|---|
| 1.4L | LS | 5 | 238 | 578 |
| 1.6L | LT | 5 | 211 | 551 |

## Maximum front and rear axle loads

5-door Hatchback

| Engine | Front axle loads (kg) | Rear axle loads (kg) |
|---|---|---|
| 1.4L MT | 930 | 910 |
| 1.4L AT | 950 | |
| 1.6L MT | 980 | 920 |
| 1.6L AT | 1000 | 910 |

Sportwagon

| Engine | Front axle loads (kg) | Rear axle loads (kg) |
|---|---|---|
| 1.4L AT | 930 | 1000 |

Loading information ⇨ 66.

## Vehicle dimensions

| | 5-door hatchback | Sportwagon |
|---|---|---|
| Length [mm] | 4386 | 4702 |
| Width without exterior mirrors [mm] | 1809 | 1809 |
| Width with two exterior mirrors [mm] | 2042 | 2042 |
| Height (without antenna) [mm] | 1485 | 1510 |
| Length of load compartment floor [mm] | 828 | 1065 |
| Length of load compartment with folded rear seats [mm] | 1575 | 1872 |
| Load compartment width [mm] | 1001 | 1050 |
| Load compartment height [mm] | 588 | 882 (opening height 747) |
| Wheelbase [mm] | 2662 | 2662 |
| Turning circle diameter [m] | 11.05 | 11.05 |
| Track [mm] | | |
| Front | 1530 - 1548 | 1530 - 1548 |
| Rear | 1537 - 1565 | 1537 - 1565 |

# Capacities

## Engine oil

| Engine | 1.4L | 1.6L |
|---|---|---|
| including Filter [l] | 4.0 | 5.5 |
| between MIN and MAX [l] | 1.0 | 1.0 |

## Fuel tank

| | |
|---|---|
| Petrol, refilling quantity [l] | 48 |

# Tyre pressures

## 5-door hatchback

| Engine | Tyres | Comfort with up to 3 people | | ECO with up to 3 people | | With full load | |
|---|---|---|---|---|---|---|---|
| | | front | rear | front | rear | front | rear |
| | | [kPa/bar] ([psi]) | [kPa/bar] ([psi]) | [kPa/bar] ([psi]) | [kPa/bar] ([psi]) | [kPa/bar] ([psi]) | [kPa/bar] ([psi]) |
| 1.4L | 225/45 R17 | 220/2.2 (32) | 220/2.2 (32) | 270/2.7 (39) | 270/2.7 (39) | 250/2.5 (36) | 270/2.7 (39) |
| 1.6L | 225/45 R17 | 240/2.4 (35) | 220/2.2 (32) | 270/2.7 (39) | 270/2.7 (39) | 250/2.5 (36) | 270/2.7 (39) |
| | 225/40 R18 | 260/2.6 (38) | 240/2.4 (35) | 270/2.7 (39) | 270/2.7 (39) | 270/2.7 (39) | 290/2.9 (42) |
| All | Temporary spare wheel 115/70 R16 | 420/4.2 (60) | 420/4.2 (60) | – | – | 420/4.2 (60) | 420/4.2 (60) |

## Sportwagon

| Engine | Tyres | Comfort with up to 3 people | | ECO with up to 3 people | | With full load | |
|---|---|---|---|---|---|---|---|
| | | front | rear | front | rear | front | rear |
| | | [kPa/bar] ([psi]) | [kPa/bar] ([psi]) | [kPa/bar] ([psi]) | [kPa/bar] ([psi]) | [kPa/bar] ([psi]) | [kPa/bar] ([psi]) |
| 1.4L | 205/55 R16 | 220/2.2 (32) | 220/2.2 (32) | 300/3.0 (43) | 300/3.0 (43) | 250/2.5 (36) | 270/2.7 (39) |
| | 225/45 R17; 225/40 R18 | 220/2.2 (32) | 220/2.2 (32) | 270/2.7 (39) | 270/2.7 (39) | 250/2.5 (36) | 270/2.7 (39) |

# Customer information

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**Vehicle data recording and privacy** ..... **231**
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# Customer information

## Owner assistance

### Holden Customer Care

At Holden, we want you to be completely satisfied with your ownership experience. This applies to your vehicle and any Holden representative you may deal with. Refer below for two options for seeking assistance with your query.

### Holden Dealerships

Holden encourages you to seek assistance from your Holden Dealership. Each Holden Dealership is equipped to manage any sales, servicing, parts or technical query. In the instance that you wish to escalate a query to a higher level of staff, further options are available to you. As a first step, Holden suggests you discuss any concern with the relevant Department Manager (Sales Manager or Service Manager). Alternatively, the Dealership General Manager or Dealer Principal will also be happy to assist you.

### Holden Customer Care Office

Should you wish to speak to a Holden representative, you are welcome to contact the Holden Customer Care team. Refer below for operating hours and various methods of communication.

**Operating Hours**
Weekdays: 8am – 7pm AEST

Saturday: 9am – 1pm AEST

**Telephone**
Holden Customer Care can be telephoned from anywhere within Australia for only the cost of a local call.

The contact number is:

**1800 033 349**

**Email**
Alternatively, you may prefer to email Holden at:

**holdencustomercare@gm.com**

**Written Correspondence**
You can also write to Holden at the address below:

**The Manager**
**Holden Customer Care Centre**
**GPO Box 1714**
**Melbourne 3001**

Your written correspondence should clearly outline your concern or query and include:

- Your name and address
- Telephone numbers, both private and business
- Servicing dealer's name and address
- Vehicle model
- Vehicle identification number (I.S.O.V.I.N.), refer to the inside front cover of the Service/ Warranty Booklet in your vehicle's glove box
- Date of purchase
- Current odometer reading

Most of this information will be found on the Vehicle Identification Certificate, located inside the front cover of the Service/Warranty Booklet in your vehicle's glove box.

Before you write however, remember that the telephone is the quicker and more efficient means of communication.

**New Zealand**
The information in this Owner's Handbook applies primarily to Australian Holden vehicles and there may be some differences to the Warranty and Owner Assistance provisions for New Zealand.

Applicable details for New Zealand are set out in the Holden Warranty and Owner Assistance Information booklet enclosed in the New Zealand glove box wallet.

New Zealand Assistance can be reached on:

**0800 HOLDEN (0800 465 336)**

This number provides access to New Zealand Roadside Assistance as well as New Zealand Customer Care.

Alternatively, you may prefer to email Holden at:

**holdencustomercare@gm.com**

You can also write to Holden at the address below:

**The Manager**
**Holden Customer Care Centre**
**P.O. Box 11195**
**Ellerslie**
**Auckland 1542**
**New Zealand**

# Collision damage repair

## Paint thickness

Due to production techniques, the thickness of the paint can vary between 50 and 400 µm.

Therefore, different paint thickness is no indicator for a collision damage repair.

# Registered trademarks

**Apple Inc.**
Apple CarPlay™ is a trademark of Apple Inc.

App Store® and iTunes Store® are registered trademarks of Apple Inc.

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**Bluetooth SIG, Inc.**
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**EnGIS Technologies, Inc.**
BringGo® is a registered trademark of EnGIS Technologies, Inc.

**Google Inc.**
Android™ and Google Play™ Store are trademarks of Google Inc.

**Pandora Media, Inc.**
Pandora® is a registered trademark of Pandora Media, Inc.

**Stitcher Inc.**
Stitcher™ is a trademark of Stitcher, Inc.

# Vehicle data recording and privacy

## Event data recorders

### Data storage modules in the vehicle

A large number of electronic components of your vehicle contain data storage modules temporarily or permanently storing technical data about the condition of the vehicle, events and errors. In general, this technical information documents the condition of parts, modules, systems or the environment:

- Operating conditions of system components (e.g. filling levels)
- Status messages of the vehicle and its single components (e.g. number of wheel revolutions / rotational speed, deceleration, lateral acceleration)
- Dysfunctions and defects in important system components
- Vehicle reactions in particular driving situations (e.g. inflation of an airbag, activation of the stability regulation system)
- Environmental conditions (e.g. temperature)

These data are exclusively technical and help identifying and correcting errors, as well as optimising vehicle functions.

Motion profiles indicating travelled routes cannot be created with these data.

If services are used (e.g. repair works, service processes, warranty cases, quality assurance), employees of the service network (manufacturer included) are able to read out this technical information from the event and error data storage modules applying special diagnostic devices. If required, you will receive further information at these Holden dealers. After an error has been corrected, the data are deleted from the error storage module or they are constantly overwritten.

When using the vehicle, situations may occur in which these technical data related to other information (accident report, damages on the vehicle, witness statements etc.) may be associated with a specific person - possibly, with the assistance of an expert.

Additional functions contractually agreed upon with the client (e.g. vehicle location in emergency cases) allow the transmission of particular vehicle data from the vehicle.

## Radio Frequency Identification (RFID)

RFID technology is used in some vehicles for functions such as ignition system security. It is also used in connection with conveniences such as radio remote controls for door locking/unlocking and starting, and in-vehicle transmitters for garage door openers. RFID technology in Holden vehicles does not use or record personal information or link with any other Holden system containing personal information.

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